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COMPUTER GRADE-KEEPING PROGRAMS: USER'S GUIDE.(U)
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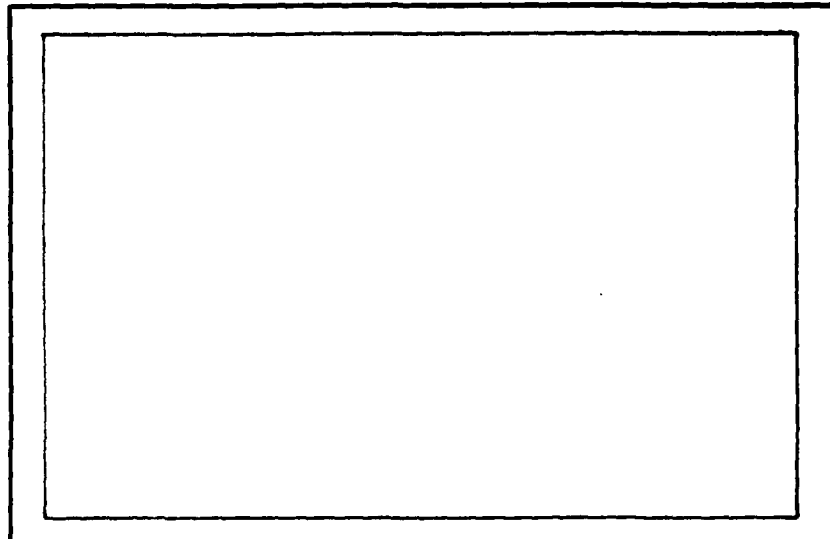
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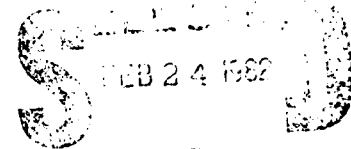
DIVISION OF ENGINEERING AND WEAPONS

Report EW-7-81

Computer Grade-Keeping
Programs: User's Guide

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December 1981



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ABSTRACT

A set of programs is available on the Naval Academy Timesharing System to assist faculty members in the mechanics of grade keeping and recording. This report describes the basic function of each program and provides step-by-step instructions so the novice user can fully utilize any one of the programs.

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TABLE OF CONTENTS

ABSTRACT	1
INTRODUCTION	1
FILE PREPARATION	4
GRADE SUBMISSION	9
GRADE CHANGES	11
GRADE DELETIONS.	13
INTERIM GRADE CALCULATION	14
MIDSHIPMEN RANKING	17
FINAL GRADE CALCULATION	20
ACADEMIC PERFORMANCE REPORTING	22
MIDSHIPMEN GRADE DISTRIBUTION	26
GRADE CURVING	28

INTRODUCTION

A series of computer programs has been written to assist the faculty member in many aspects of grade keeping. The programs fall into five broad categories:

1. Initial file preparation,
2. Grade entering and manipulation,
3. Grade calculation,
4. Academic performance reporting,
5. Grade distribution and curving.

Each program will be discussed with the procedure for using the program fully outlined.

Many of the programs are interdependent and may not run if other programs are not used. This interdependence is illustrated in Table 1. The entire set of programs is designed to be executed at certain phase points during the semester. Table 2 shows the suggested phase points and which programs can be run then.

Under the section labeled AT THE TERMINAL the following guidelines apply:

1. Unidentified letters identify terminal responses.
2. BOXED-IN CAPITAL LETTERS identify user inputs at CRTs or typewriter terminals.
3. (Explanatory remarks) are enclosed in parentheses.
4. All section numbers, category names, codes, and percentages are examples only. The user must enter the appropriate responses for his sections.
5. Actual computer output is used as much as possible to aid the user. This means that some information can be extraneous to a particular problem.
6. All printouts are sent to the REM 1 remote printer on the first deck of Rickover. Programs can be easily modified to send output files to other printers.

Table 1
Interdependence of Programs

TO RUN FIRST RUN	RUN-GR	SETUP	GRADEIN	GRADEL	STUDAVG	STUDRANK	FINAL	ACDEF1	MIDMAIL	HISTO	DISTR
RUN-GR	N/A	YES*			YES			YES			
SETUP		N/A	YES	YES	YES	YES	YES	YES	YES		
GRADEIN			N/A	YES	YES	YES	YES	YES	YES		
GRADEL**				N/A							
STUDAVG					N/A			YES			
STUDRANK						N/A					
FINAL							N/A				
ACDEF1								N/A			
MIDMAIL									N/A		
HISTO										N/A	YES
DISTR											N/A

* RUN-GR needs to be run before SETUP only if user plans to utilize STUDAVG or ACDEF 1.

** GRADEL is used only if desired.

Table 2
Suggested Semester Timetable

	RUN-GR	SETUP	GRADEIN	GRADEL	STUDAVG	STUDRANK	FINAL	ACDEF 1	MIDMAIL	HISTO	DISTR
As desired			X	X	X	X		X	X	X	X
Week 2-3	X	X									
Week 4			X		X	X			X		
Week 8			X		X	X		X	X		
Week 12			X		X	X		X	X		
Week 16			X		X	X	X		X		

The timeline suggested above is only a guideline. Any of the programs can be run at any time the faculty members feels the requirements.

FILE PREPARATION

Two files must be created for each section. The first file contains the grades for each student for each of six grade categories; this file is named the same as the section number. The second file contains the grade for each student for each reporting period (4, 8, 12 week and current); this file is named the section number plus the letters "RG" (to denote this is a running grade file).

AT THE TERMINAL

(Use the section number for your class)
Ready

Ready

Ready

REGISTER (compiled) 15 Jun 81 11:36

FOR AID AFTER ANY QUESTION TYPE HELP

FALL OR SPRING?
?

GIVE OUTPUT FILE OR PUSH RETURN FOR TELETYPE OUTPUT.

? (Use the section number for your class)

DO YOU WANT PRINTER FORMAT?

?

OPTION?

?

GIVE COURSE NUMBER, LIST OF SECTIONS SEPARATED BY COMMAS

? (Use the course and section number for your class)

ITEM#S SEPARATED BY COMMAS

?

OPTION?

?

Ready

Repeat all of these steps for each section. Do not do more than one section at a time.

Usually the section file created above must be edited to agree with the section list in your paper gradebook. This is accomplished using the EDIT commands and is particularly important if there are addition/deletions to the roll or more than one class in a section.

AT THE TERMINAL

OLD 1313

Ready

EDI SEW (Puts line numbers in front of each line)

Ready

EDI LIS (Lists the file in reverse order)

300

350

340 842500 ZULU TRIBE 32 ESE

330 842400 YANKEE REBEL 35 EOE

320 842300 XRAY VISION 01 ENA

:

100 840100 ALPHA ROBERT B 35 EAS

Ready

EDI DEL 350-360 (Delete blank lines at end of file)

Ready (Use EDI MOV to move names if necessary)

EDI DES (Removes line numbers from front of each line)

Ready

REP (Replaces stored file with revised file)

Ready

Repeat all of these steps for each section.

The gradebook will keep track of six categories of grades (e.g. homework, exams, final) each weighted according to a criteria file which is built by SETUP. Be prepared with titles, two letter codes and percentage weights for each category. If you don't need all six categories, dummy category names weighted at 0% may be used to complete the criteria file. One word of caution: be sure that category six has a two letter code different from all the others since that code is used as a flag to indicate the last line of grades for a given student (a good idea is to make category six the final exam grade).

AT THE TERMINAL

(For each section, do the following steps.)

NEW 1313RG (Use section number + "RG")
Ready

SAV
Ready

OLD L.EN***:RUN-GR
Ready

RUN

RUN-GR 15 Jun 81 11:41

WHAT SECTION DO YOU WANT TO SET UP WITH A RUNNING GRADE FILE?

? 1313

Ready

(For each course, do the following steps.)

NEW CRITERIA (Any name can be used)
Ready

SAV
Ready

OLD L.EN***:SETUP
Ready

RUN

SETUP 15 Jun 81 11:42

HAS CRITERIA FILE BEEN FILLED WITH YOUR DATA?

? NO

INPUT NAME OF CRITERIA FILE? CRITERIA

ENTER COURSE NUMBER (EG. EE 311)

? EX999

ENTER THE TITLE OF GRADE CATEGORY # 1

? HOURLY EXAMS

ENTER THE TWO LETTER CODE FOR HOURLY EXAMS

? EX

ENTER THE PERCENT WEIGHT AS A WHOLE
NUMBER (0-100) FOR HOURLY EXAMS

? 40

ENTER THE TITLE OF GRADE CATEGORY # 2

? QUIZZES

ENTER THE TWO LETTER CODE FOR QUIZZES

? QU

ENTER THE PERCENT WEIGHT AS A WHOLE
NUMBER (0-100) FOR QUIZZES

? 10

:

ENTER THE TITLE OF GRADE CATEGORY # 6

? FINAL EXAM

ENTER THE TWO LETTER CODE FOR FINAL EXAM

? FI

ENTER THE PERCENT WEIGHT AS A WHOLE
NUMBER (0-100) FOR FINAL EXAM

? 35

INPUT SECTION FILE TO BE SET UP

? 1313

Your empty gradebook looks like the one below. It is now ready to
receive grades during the semester.

COURSE: EX999

SECTION 1313

LEGEND:

EX-HOUR EXAMS COUNTS 40%

QU-QUIZZES COUNTS 10%

LA-LABORATORY REPORTS COUNTS 5%

CP-CASE PROBLEM COUNTS 5%

IP-INSTRUCTOR PEROGATIVE COUNTS 5%

FI-FINAL EXAM COUNTS 35%

840100 ALPHA ROBERT B 33 EAS

EX-

QU-

LA-

CP-

IP-

FI-

840200 BRAVO MICHAEL D 30 EEE

EX-

QU-

LA-

CP-

IP-

FI-

840300 CHARLIE MIKE C 27 EGE

EX-

QU-

LA-

CP-

IP-

FI-

The running grade file looks like the one below. At each reporting period, the information will be updated and stored in this file.

NUMBER	MIDSHIPMAN	4 WK AVERAGE	8 WK AVERAGE	12 WK AVERAGE	CURRENT AVERAGE
1	ALPHA ROBERT B	00 0000	00.0000	00.0000	00.0000
2	BRAVO MICHAEL D	00.0000	00.0000	00.0000	00.0000
3	CHARLIE MIKE C	00 0000	00.0000	00.0000	00.0000
4	DELTA ALFRED C	00 0000	00 0000	00 0000	00.0000
5	ECHO OFF WALL	00.0000	00.0000	00.0000	00.0000
6	FOXTROT WALTZ	00.0000	00.0000	00.0000	00 0000
7	GOLF T OFF	00 0000	00 0000	00.0000	00 0000
8	HOTEL REER	00.0000	00.0000	00 0000	00 0000
9	INDIA JAPAN	00 0000	00.0000	00 0000	00 0000
10	JULIET GIRL	00 0000	00.0000	00 0000	00 0000
11	KILO COMPANY	00.0000	00 0000	00 0000	00.0000
12	LIMA BEANS	00.0000	00.0000	00.0000	00.0000
13	MIKE COMPANY	00.0000	00 0000	00.0000	00 0000
14	NOVEMBER IKE	00 0000	00 0000	00 0000	00 0000
15	OSCAR MAYER	00 0000	00.0000	00.0000	00.0000
16	PAPA MAMA	00 0000	00.0000	00.0000	00.0000
17	QUEBEC ONTARIO	00.0000	00.0000	00.0000	00 0000
18	ROMEO IN CLOV	00.0000	00 0000	00.0000	00 0000
19	SIERRA NEVADA	00 0000	00 0000	00.0000	00 0000
20	TANGO SAMBA	00.0000	00.0000	00.0000	00.0000
21	UNIFORM REGS	00.0000	00.0000	00.0000	00 0000
22	WHISKEY RUM	00.0000	00 0000	00.0000	00 0000
23	XRAY VISION	00.0000	00.0000	00.0000	00.0000
24	YANKEE REBEL	00.0000	00 0000	00 0000	00.0000
25	ZULU TRIBE	00.0000	00.0000	00.0000	00.0000

GRADE SUBMISSION

Grades may be entered at any time during the semester. Prior to using the program the first time, perform the following steps.

AT THE TERMINAL

OLD L.EN***:DATAIN
Ready

SAV
Ready

The above steps need only be done once. To enter grades, a PERFORM file is used.

AT THE TERMINAL

PER L.EN***:GRADEIN
/OLD L.EN***:MOD3/RUN/

WOULD YOU LIKE INSTRUCTIONS ON ENTERING GRADES?
? NO

INPUT THE NAME OF YOUR CRITERIA FILE
? CRITERIA
WHICH SECTION DO YOU WANT?

? 1313

WHAT IS THE GRADE CODE FOR THIS SET OF GRADES?
? LA

INPUT THE 25 LABORATORY REPORTS GRADES FOR 1313.
(NO INDIVIDUAL ENTRY WILL BE MADE FOR ANY NEGATIVE GRADE)

? 90,90,70,80,70,70,80,90,90,80,90,90,80,80,60,70,70,80,80,70,...,70

ALPHA ROBERT B 90.00
BRAVO MICHAEL D 90.00

:

ZULU TRIBE 70.00

ARE THESE GRADES CORRECT? YES

THE AVERAGE LABORATORY REPORTS GRADE IS 78.4

DO YOU HAVE MORE GRADES TO INPUT FOR SECTION 1313?

? YES

WHAT IS THE GRADE CODE FOR THIS SET OF GRADES?

? QU

INPUT THE 25 QUIZZES GRADES FOR 1313

:

DO YOU HAVE MORE GRADES TO INPUT FOR SECTION 1313?

? ☐ NO

DO YOU WANT TO INPUT GRADES FOR ANOTHER SECTION?

? ☐ NO

*PER DATAIN

*OLD L.EN***:DATAIN

*RUN

? CRITERIA

? 1313

? LA

? 90

? 90

:

? 62

? 80

THE AVERAGE QUIZZES GRADE IS 72.96

? NO

*/NBK/

Ready

Ready

(Once your data has been input, do NOT interrupt execution until all grades have been entered. It can be very slow. Also do not enter a negative zero if there is no grade for a student; it will be entered as a positive zero in your gradebook.)

As an alternative to sitting at the terminal, there is a program available to run in background. This routine requires more available storage so be sure you have enough room in your file.

AT THE TERMINAL

☐ Per L.EN***:GRADEIN B

:

To check later on to be sure grades are in type:

☐ OLD BACKGRD

Ready

☐ LIS

If the routine has finished the results will be printed. A word of caution: Do not access your gradebooks until GRADEINB is complete. You can cause an error.

GRADE CHANGES

Grades are changed by entering the gradebook and altering the line containing the incorrect grade. This can be accomplished by one of two methods using the text editing routines on NATS.

Method 1 - (If the grade to be changed is unique in its line)

AT THE TERMINAL

OLD 1313

Ready

EDI SEQ

Ready

EDI LOC /ROMEO/

1370 841800 ROMEO IN CLOV 16 HHS
Ready

EDI LIS 1370-1430

1370 841800 ROMEO IN CLOV 16 HHS
1380 EX-, 65.00, 97.00, 46.00
1390 QU-, 82.00, 70.00, 73.00
1400 LA-, 80.00
1410 CP-, 82.00
1420 IP-, 90.00
1430 FI-, 61.00
Ready

TEXT REP 65,75,1380

Ready

EDI DES

Ready

REP

Ready

Method 2 (If the grade is to be changed is not unique in its line)

AT THE TERMINAL

OLD 1313

Ready

EDI SEQ

Ready

EDI LOC /840700/

600 840700 GOLF T OFF 15 ESE

Ready

EDI LIS 600-660

600 840700 GOLF T OFF 15 ESE

610 EX-, 75.00, 81.00, 83.00

620 QU-, 70.00, 70.00, 84.00

630 LA-, 80.00

640 CP-, 76.00

650 IP-, 75.00

660 FI-, 76.00

Ready

EDI LIS 620

620 QU-, 70.00, 70.00, 84.00

Ready

620 QU-, 70.00, 75.00, 84.00

EDI DES

Ready

REP

Ready

GRADE DELETIONS

Many instructors like to give a lot of tests and then drop a certain number of the lowest scores. This program has two options:

1. Delete the "x" lowest grades from each student's portion of the gradebook.
2. Retain the "x" highest grades of each student's portion of the gradebook.

AT THE TERMINAL

OLD L.EN***:GRADEL

Ready

RUN

GRADEL 16 Jun 81 09:40

AVAILABLE OPTIONS ARE:

- 1 COUNT ONLY THE 'X' HIGHEST GRADES
- 2 DELETE THE 'Y' LOWEST GRADES

OPTION? 1

INPUT THE FILE NAME OF YOUR SECTION S GRADE BOOK

? 1313

INPUT TWO CHARACTER CODE FOR CATEGORY TO DELETE GRADES

? QU

INPUT NUMBER OF GRADES TO COUNT

? 2

Ready

INTERIM GRADE CALCULATION

Overall grades can be computed at any time using STUDAVG. Prior to using the program, perform the following steps:

AT THE TERMINAL

NEW INDAVE
Ready

SAV
Ready

The results of STUDAVG are written to file INDAVE which is automatically printed on REM 1 (remote printer 1) on the first deck of Rickover; the newly computed overall averages are inserted in the appropriate running grade file. To do the actual grade calculation, execute the PERFORM file, STUDAVG.

AT THE TERMINAL

PER L.EN***:STUDAVG
RUN
INPUT NAME OF YOUR CRITERIA FILE
? CRITERIA

IS THIS THE 4, 8, 12 OR 16 WEEK POINT IN THE SEMESTER?
(TYPE IN A ONE OR TWO DIGIT NUMBER ONLY)

? 8

LIST SECTIONS FOR WHICH YOU WISH GRADES.
(SEPERATE EACH SECTION WITH A COMMA)

? 1313

```
*PER L.EN***:REMOTE;INDAVE
*/OLD BACKPRT/UNS
*/NEW BACKPRT/SAV
*100 PRINT INDAVE
110 USING REM 1
120 FORMAT NSLEW
130 END
R&P
*BACK
***JOB ACCEPTED
*
*NBR
Ready
```

If an error message is printed, the contents of INDAVE can be obtained by typing REM 1 INDAVE

(To ensure that all the data is printed, submit only two sections at a time if there are 25 students or more per section. If there are fewer than 25 students per section, three sections can be submitted at once.)

The output from INDAVE looks like:

COURSE: EX999

SECTION 1313

8 WEEK GRADES

840100 ALPHA ROBERT B 33 AEROSPACE ENGINEERING EXT: 3983

 HOUR EXAMS AVG = 75.5
 QUIZZES AVG = 74.3333
 LABORATORY REPORTS AVG= 90
 OVERALL AVERAGE = 76.6061

CO. OFFICER: LT KELLY

STANDING: 16 OUT OF 25

SECTION AVERAGE = 77.4303

840200 BRAVO MICHAEL D 30 ELECTRICAL ENGINEERING EXT: 2087

 HOUR EXAMS AVG = 81
 QUIZZES AVG = 75.3333
 LABORATORY REPORTS AVG= 90
 OVERALL AVERAGE = 80.7879

CO. OFFICER: LT MURASHIGE

STANDING: 4 OUT OF 25

SECTION AVERAGE = 77.4303

840300 CHARLIE MIKE C 27 GENERAL ENGINEERING EXT: 3992

 HOUR EXAMS AVG = 74.5
 QUIZZES AVG = 68.6667
 LABORATORY REPORTS AVG= 70
 OVERALL AVERAGE = 73.0303

CO. OFFICER: LCDR HEWETT

STANDING: 21 OUT OF 25

SECTION AVERAGE = 77.4303

⋮

STANDING	MIDSHIPMAN	4 WK AVERAGE	8 WK AVERAGE	12 WK AVERAGE	CURRENT AVERAGE
1	ECHO OFF WALL	88 2	87.697	0	87 697
2	LIMA BEANS	84 5	84.8485	0	84 8485
3	KILO COMPANY	84 3	83 9394	0	83 9394
4	BRAVO MICHAEL D	80 1	80 7879	0	80 7879
5	FOXTROT WALTZ	80 8	80.6667	0	80 6667
6	MIKE COMPANY	79 9	80 1212	0	80 1212
7	ROMEO IN CLOV	80	79 8182	0	79 8182
8	DELTA ALFRED C	78 9	78 7879	0	78 7879
9	OSCAR MAYER	80 1	78.4848	0	78 4848
10	JULIET GIRL	78 9	78 2424	0	78 2424
11	UNIFORM REGS	77 5	77 9394	0	77 9394
12	ZULU TRIBE	78	77 8788	0	77 8788
13	GOLF T OFF	76 4	77 5758	0	77 5758
14	PAPA MAMA	78 4	77 4545	0	77 4545
15	TANGO SAMBA	77	76 7879	0	76 7879
16	ALPHA ROBERT B	75 2	76.6061	0	76 6061
17	SIERRA NEVADA	76 1	76.4242	0	76 4242
18	XRAY VISION	75 8	75 5152	0	75 5152
19	WHISKEY RUM	74 3	74.1818	0	74 1818
20	NOVEMBER IKE	72 6	73 8182	0	73 8182
21	CHARLIE MIKE C	73 1	73 0303	0	73 0303
22	HOTEL REER	71 1	72 5455	0	72 5455
23	YANKEE REBEL	72 2	72 3636	0	72 3636
24	INDIA JAPAN	71 5	72 1212	0	72 1212
25	QUEBEC ONTARIO	68.3	68.1212	0	68 1212

BASED ON 25 STUDENTS - THE SEPARATE CATEGORY AVERAGES ARE:

HOUR EXAMS	AVG = 78.44	QUIZZES	AVG = 72 9067
LABORATORY REPORTS	AVG = 78.4	CASE PROBLEM	AVG = 0
INSTRUCTOR PEROGATIVE	AVG = 0	FINAL EXAM	AVG = 0

MIDSHIPMEN RANKING

It is sometimes beneficial to rank all of the students that a faculty member teaches into a single group. This is one option provided by STUDRANK. For convenience, the listings are printed on the remote printer.

AT THE TERMINAL

PER L.EN***:STUDRANK

BRI

*/OLD INDAVE/UNS

*/NEW INDAVE/SAV

*OLD L EN***:GRADEAVE

*RUN

INPUT THE NAME OF YOUR CRITERIA FILE

? CRITERIA

LIST SECTIONS FOR WHICH YOU WISH GRADES
(SEPERATE EACH SECTION WITH A COMMA)

? 1313

DO YOU WISH A FILE ORDER LISTING OF THE SECTIONS?

? YES

DO YOU WISH A RANK LISTING BY SECTION?

? YES

DO YOU WISH A COMBINED RANK LISTING

? YES

*PER L.EN***:REMOTE;INDAVE

*/OLD BACKPRT/UNS

*/NEW BACKPRT/SAV

*100 PRINT INDAVE

110 USING REM 1

120 FORMAT NSLEW

125 SCRATCH INDAVE

130 END

REP

*BACK

***JOB ACCEPTED

*NBH

Ready

Ready

The output from STUDRANK looks like:

FILE ORDER LISTING

COURSE: EX999

SECTION 1313

1	840100	ALPHA ROBERT B	33	EAS	76	6667
2	840200	BRAVO MICHAEL D	30	EEE	79	4167
3	840300	CHARLIE MIKE C	27	EGE	77	2667
4	840400	DELTA ALFRED C	24	EME	80	1
5	840500	ECHO OFF WALL	21	ENA	83	0333
6	840600	FOXTROT WALTZ	18	EOE	81	7833
7	840700	GOLF T OFF	15	ESE	77	4833
8	840800	HOTEL REER	12	ESP	72	6833
9	840900	INDIA JAPAN	09	SAS	78	55
10	841000	JULIET GIRL	06	SCH	81	
11	841100	KILO COMPANY	03	SMA	81	1333
12	841200	LIMA BEANS	34	SOC	83	9
13	841300	MIKE COMPANY	31	SPH	82	2333
14	841400	NOVEMBER IKE	28	SPS	80	4167
15	841500	OSCAR MAYER	25	FEC	79	75
16	841600	PAPA MAMA	22	FPS	76	5667
17	841700	QUEBEC ONTARIO	19	HEG	71	2333
18	841800	ROMEO IN CLOV	16	HHS	69	1833
19	841900	SIERRA NEVADA	13	EAS	75	5167
20	842000	TANGO SAMBA	10	EEE	75	8
21	842100	UNIFORM REGS	07	EGE	76	75
22	842200	WHISKEY RUM	04	EME	75	2833
23	842300	XRAY VISION	01	ENA	72	3
24	842400	YANKEE REBEL	35	EOE	65	9
25	842500	ZULU TRIBE	32	ESE	64	5333

BASED ON 25 STUDENTS THE OVERALL AVERAGES ARE:

TOTAL AVE =	76 7393	HOOR EXAMS =	77 0667
QUIZZES =	72 9067	LABORATORY REPORTS =	78 4
CASE PROBLEM =	79 44	INSTRUCTOR PEROGATIVE =	78 4
FINAL EXAM =	76 6		

:

RANK LISTING

COURSE: EX999

SECTION 1313

1	841200	LIMA BEANS	34	SOC 83 9
2	840500	ECHO OFF WALL	21	ENA 83 0333
3	841300	MIKE COMPANY	31	SPH 82 2333
4	840600	FOXTROT WALTZ	18	EOE 81 7833
5	841100	KILO COMPANY	03	SMA 81 1333
6	841000	JULIET GIRL	06	SCH 81
7	841400	NOVEMBER IKE	28	SPS 80 4167
8	840400	DELTA ALFRED C	24	EME 80 1
9	841500	OSCAR MAYER	25	FEC 79 75
10	840200	BRAVO MICHAEL D	30	EEE 79 4167
11	840900	INDIA JAPAN	09	SAS 78 55
12	840700	GOLF T OFF	15	ESE 77 4833
13	840300	CHARLIE MIKE C	27	EGE 77 2667
14	842100	UNIFORM REGS	07	EGE 76 75
15	840100	ALPHA ROBERT B	33	EAS 76 6667
16	841600	PAPA MAMA	22	FPS 76 5667
17	842000	TANGO SAMBA	10	EEE 75 8
18	841900	SIERRA NEVADA	13	EAS 75 5167
19	842200	WHISKEY RUM	04	EME 75 2833
20	840800	HOTEL REER	12	ESP 72 6833
21	842300	XRAY VISION	01	ENA 72 3
22	841700	QUEBEC ONTARIO	19	HEG 71 2333
23	841800	ROMEO IN CLOV	16	HHS 69 1833
24	842400	YANKEE REBEL	35	EOE 65 9
25	842500	ZULU TRIBE	32	ESE 64 5333

BASED ON 25 STUDENTS THE OVERALL AVERAGES ARE:

TOTAL AVE = 76 7393	HOOR EXAMS = 77 0667
QUIZZES = 72 9067	LABORATORY REPORTS = 78 4
CASE PROBLEM = 79 44	INSTRUCTOR PEROGATIVE = 78 4
FINAL EXAM = 76 6	

FINAL GRADE CALCULATION

Due to the special grade reporting requirements at the end of the semester, a separate program is available for calculating final grades. Prior to using the program, the following steps must be performed.

AT THE TERMINAL

NEW FINRPT

Ready

SAV

Ready

All subsequent runs are performed by:

AT THE TERMINAL

PER L.EN***:FINAL

OLD L.EN***:FINREP

Ready

RUN

FINREP 16 Jun 81 12:27

INPUT THE FILE NAME OF YOUR SECTION S GRADE BOOK

? 1313

INPUT NAME OF YOUR CRITERIA FILE? CRITERIA

DEFAULT CUTOFF SCORES FOR EACH CATEGORY (16 WEEK AVERAGE, FINAL EXAM, AND FINAL AVERAGE) ARE A - 90, B - 80, C - 70, D - 60 IF YOU DON T WANT THESE, YOU MAY ENTER YOUR OWN.

DO YOU WANT THE DEFAULT CUTOFF SCORES? (YES OR NO)? YES

DO YOU HAVE MORE SECTIONS FOR WHICH TO COMPUTE FINAL GRADES?

? NO

Ready

REM 1 FINRPT

Ready

Ready

The output from FINAL is written to file FINRPT which is automatically printed on REM 1 (remote printer 1) on the first deck of Rickover. Any number of sections may be done at one time. The output from FINRPT looks like:

COURSE -- EX999

SECTION -- 1313

	(1) 16 WK	(2) FINEX	(3) FINAL	GRADE			FINAL
				(1)	(2)	(3)	STANDING
ALPHA ROBERT B	77.0256	76.0000	76.6667	C	C	C	15
BRAVO MICHAEL D	80.1795	78.0000	79.4167	B	C	C	10
CHARLIE MIKE C	76.3333	79.0000	77.2667	C	C	C	13
DELTA ALFRED C	80.1538	80.0000	80.1000	B	B	B	8
ECHO OFF WALL	82.5128	84.0000	83.0333	B	B	B	2
FOXTROT WALTZ	79.5128	86.0000	81.7833	C	B	B	4
GOLF T OFF	78.2821	76.0000	77.4833	C	C	C	12
HOTEL REER	74.1282	70.0000	72.6833	C	C	C	20
INDIA JAPAN	72.9231	89.0000	78.5500	C	B	C	11
JULIET GIRL	79.3846	84.0000	81.0000	C	B	B	6
KILO COMPANY	83.8974	76.0000	81.1333	B	C	B	5
LIMA BEANS	80.6154	90.0000	83.9000	B	A	B	1
MIKE COMPANY	79.6667	87.0000	82.2333	C	B	B	3
NOVEMBER IKE	77.4103	86.0000	80.4167	C	B	B	7
OSCAR MAYER	78.5385	82.0000	79.7500	C	B	C	9
PAPA MAMA	78.4872	73.0000	76.5667	C	C	C	16
QUEBEC ONTARIO	72.9744	68.0000	71.2333	C	D	C	22
ROMEO IN CLOV	73.5897	61.0000	69.1833	C	D	D	23
SIEKRA NEVADA	79.0256	69.0000	75.5167	C	D	C	18
TANGO SAMBA	75.6923	76.0000	75.8000	C	C	C	17
UNIFORM REGS	74.4615	81.0000	76.7500	C	B	C	14
WHISKEY RUM	71.1282	83.0000	75.2833	C	B	C	19
XRAY VISION	68.1538	80.0000	72.3000	D	B	C	21
YANKEE REBEL	71.2308	56.0000	65.9000	C	F	D	24
ZULU TRIBE	75.0513	45.0000	64.5333	C	F	D	25

16 WEEK AVERAGE = 76.8144
 FINAL EXAM AVERAGE = 76.6000
 FINAL AVERAGE = 76.7393

	16 WK	FINEX	FINAL
NUMBER OF A S	0	1	0
NUMBER OF B'S	5	11	8
NUMBER OF C S	19	8	14
NUMBER OF D S	1	3	3
NUMBER OF F'S	0	2	0
TOTAL	25	25	25

ACADEMIC PERFORMANCE REPORTING

Most of the information used on the academic performance report (ACDEAN-1531/33) is already maintained in the gradebook. That information is merged with instructor input to produce a report almost identical to the academic performance report, yet which contains more data and is easier for the instructor to generate. Prior to program execution, an output file must be created.

AT THE TERMINAL

NEW ACDEF
Ready

SAV

Ready

Reports are generated using ACDEF 1. Two options are available for selecting midshipmen for reporting:

1. Midshipmen with overall averages below a certain minimum.
2. Selected midshipmen accessed by alpha code.

AT THE TERMINAL

OLD LEN***:ACDEF1
ready

RUN

ACDEF1 (compiled) 17 Jun 81 08:18

ACDEF1 TENTATIVELY WILL SEARCH SELECTED FILES FOR MIDSHIPMEN WITH COURSE AVERAGES LESS THAN A DEFINED CUTOFF AVERAGE OR FOR SELECTED MIDSHIPMEN WITH THE AID OF TERMINAL INPUTS ACDEF1 WILL DRAFT ACADEMIC DEFICIENCY REPORTS

YOU MUST HAVE A FILE NAMED ACDEF PREVIOUSLY SAVED IN YOUR CATALOG FOR THIS PROGRAM TO RUN

PLEASE FORWARD ANY COMMENTS SUGGESTIONS OR QUESTIONS TO LT R. W. ROLFES X3186.

INPUT NAME OF YOUR CRITERIA FILE
? CRITERIA

INPUT COURSE TITLE YOUR NAME AND YOUR TELEPHONE EXTENSION (SEPERATE EACH WITH A COMMA)
? SPECIAL ENGINEERING, CAPT THORNTON, 3881

IS THIS THE 4, 8, 12 OR 16 WEEK POINT IN THE SEMESTER?
(TYPE IN A ONE OR TWO DIGIT NUMBER ONLY)

? 16

LIST SECTIONS FOR WHICH YOU WISH ACADEMIC REPORTS
(SEPERATE EACH SECTION WITH A COMMA)

? 1313

OPTION 1: MIDSHIPMAN BELOW SELECTED AVERAGE

OPTION 2: SELECTED MIDSHIPMEN.

SELECT OPTION 1 OR 2

? 1

INPUT CUTOFF AVERAGE

? 70

ACADEMIC PERFORMANCE REPORT, MIDSHIPMAN KOMEI IN CLOV

INPUT NUMBER OF HOURS ABSENT AND NUMBER OF EI HOURS.
(SEPARATE EACH WITH A COMMA)

? 2,12

INPUT THE PURPOSE OF THIS REPORT.
(SELECT 1 2 3 OR 4)

- 1 - REGULAR
- 2 - ACADEMIC DEFICIENCY
- 3 - SEMESTER FAILURE
- 4 - OTHER

? 2

RATE THIS MIDSHIPMAN IN EACH OF THE FOLLOWING CATAGORIES:
(SEPARATE EACH SELECTION WITH A COMMA)

RELATIVE ACADEMIC PERFORMANCE:

- 1 - TOP 5%
- 2 - UPPER 20%
- 3 - MIDDLE 50%
- 4 - LOWER 20%
- 5 - BOTTOM 5%

CLASS PARTICIPATION:

- 1 - TOP 25%
- 2 - MIDDLE 50%
- 3 - BOTTOM 25%

ATTITUDE TOWARDS NAVAL SERVICE

- 1 - POSITIVE
- 2 - NEUTRAL
- 3 - NEGATIVE
- 4 - NOT OBSERVED

INSTRUCTORS ESTIMATE OF OFFICER POTENTIAL:
(BASED UPON MORE THAN ACADEMIC PERFORMANCE)

- 1 - EXCELLENT
- 2 - ABOVE AVERAGE
- 3 - AVERAGE
- 4 - BELOW AVERAGE
- 5 - UNSATISFACTORY

? 5 1 1 2

INPUT NARRATIVE ON ROMEO IN CLOV
(MAXIMUM OF 9 LINES)

? MIDN ROMEO IS AN EXTREMELY DEDICATED YOUNG MAN WHO WILL GIVE HIS
? ALL FOR ANY COMMANDER ALTHOUGH HE HAS PROBLEMS ACADEMICALLY HIS
? PEERS HOLD HIM IN HIGH REGARD MIDN ROMEO WILL MAKE AN EXCELLENT
? NAVAL OFFICER

?
ACADEMIC PERFORMANCE REPORT MIDSHIPMAN YANKEE REBEL

Ready

REM 1 ACDEF
Ready

The output of file ACDEF looks like:

1. *Journal of the American Medical Association*, 1997; 277: 1033-1038.

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 105–112

[illegible]

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

[illegible]

1. The first step is to identify the problem. This involves understanding the symptoms and the context in which they are occurring.

[illegible]

Case	Age	Sex	Duration	Location	Findings
1	10	M	10 days	Left eye	Corneal opacity, anterior chamber reaction
2	12	F	15 days	Right eye	Corneal opacity, anterior chamber reaction
3	15	M	20 days	Left eye	Corneal opacity, anterior chamber reaction
4	18	F	25 days	Right eye	Corneal opacity, anterior chamber reaction
5	20	M	30 days	Left eye	Corneal opacity, anterior chamber reaction
6	22	F	35 days	Right eye	Corneal opacity, anterior chamber reaction
7	25	M	40 days	Left eye	Corneal opacity, anterior chamber reaction
8	28	F	45 days	Right eye	Corneal opacity, anterior chamber reaction
9	30	M	50 days	Left eye	Corneal opacity, anterior chamber reaction
10	32	F	55 days	Right eye	Corneal opacity, anterior chamber reaction

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

The following table shows the results of the regression analysis for the dependent variable "Number of children in the household" (N = 1,000). The independent variables are "Age of the head of household" and "Gender of the head of household". The results are presented in the following table:

1. *Journal of the American Medical Association*, 1997; 278: 1039-1044.

117 1089734 2004 17-01

MIDSHIPMAN GRADE DISTRIBUTION

Most midshipmen would like to know their progress and final grades as soon as these grades are available. Simple and quick distribution can be accomplished via the computer. The actual grade mailing is done by a PERFORM file. Each student must create a 'MAIL' file to receive grades via the computer. This is accomplished by:

AT THE TERMINAL

MAIL CREATE (The instructor should do this also)

Ready

The instructor can then send grades by executing the following steps:

AT THE TERMINAL

PER L.EN***:MIDMAIL

BRI

*/NEW MIDMAIL/SAV

*/OLD L.EN***:MAILRT/RUN

INPUT NAME OF YOUR CRITERIA FILE

? CRITERIA

LIST SECTIONS FOR WHICH YOU WISH TO SEND GRADES.
(SEPERATE EACH SECTION WITH A COMMA)

? 1313

INPUT YOUR NAME FOR USE WITH THE MAIL ROUTINE

? CAPT THORNTON

*/PER MIDMAIL

*/NEW STUDGRD/SAV/

*/OLD INDAVE/EDI SEQ 1 1/

*/EDI EXT 1 - 12 /EDI DES/

*/REP STUDGRD/

*/MAIL STUDGRD TO *E04070/

PRIVACY WARNING--YOUR USER NUMBER WILL BE SENT ALSO

WHAT IS YOUR NAME

? CAPT THORNTON

*/OLD INDAVE/EDI SEQ 1 1/

*/EDI EXT 13 - 24 /EDI DES/

*/REP STUDGRD/

*/MAIL STUDGRD TO *E04070/

PRIVACY WARNING--YOUR USER NUMBER WILL BE SENT ALSO

WHAT IS YOUR NAME

? CAPT THORNTON

:

*/UNS STUDGRD/

*/UNS MIDMAIL

*NBK

Ready

Ready

The next time the midshipman signs on to the computer, a message appears telling him that he has mail. The file sent to the student looks like this:

CAPT THORNTON HDE04028 06/17/81 09:20:31
840100 ALPHA ROBERT B 33 EAS EX999

HOUR EXAMS AVG = 75.3333 STANDING: 2 OUT OF 2
QUIZZES AVG = 74.3333
LABORATORY REPORTS AVG= 90 SECTION AVERAGE = 78.0417
CASE PROBLEM AVG= 85
INSTRUCTOR PEROGATIVE AVG= 75
FINAL EXAM AVG = 76
OVERALL AVERAGE = 76.6667

GRADE CURVING

A pair of programs, DISTR and HISTO, provide a simple method for determining the distribution of grades on a given exercise and for curving these grades if desired. To use these programs, the user must first create a file containing the grades to be plotted on a histogram and then curved. The data is then inserted into both programs using the EDIT MERGE command. All of these steps are accomplished by a PERFORM file.

AT THE TERMINAL

(Prior to using these routines for the first time, the files must be saved in the user's catalog).

NEW GRADES

Ready

SAV

Ready

OLD L.EN***:HISTO

Ready

SAV

Ready

OLD L.EN***:DISTR

Ready

SAV

Ready

(Subsequent runs can be made via the PERFORM file, GRADDAT).

PER L.EN***:GRADDAT

BRI

*OLD L EN***:DIT

*RUN

INPUT DATA SEPARATED BY COMMAS. TO DENOTE MULTIPLE OCCURRENCES OF THE SAME DATA USE THE NUMBER OF TIMES THE DATA APPEARS AN ASTERISK AND THE DATA:

I.E. 3*78 IS THE SAME AS 78,78,78

? 5*73,4*81,3*79,80,80,91,80,79,5*82,90

?

(a blank line terminates the data input)

*OLD GRADES

*EDI DES

*REP GRADES

*OLD HISTO

*EDI DEL 200-1000

*REP HISTO

*EDI MER HISTO;GRADES
***.RESULT.
*REP HISTO
*OLD DISTR
*EDI DEL 200-1000
*REP DISTR
*EDI MER DISTR;GRADES
***.RESULT.
*REP DISTR
*NBH
Ready

Ready

HISTO determines the distribution of the grades and produces a histogram plot. It is advisable to run HISTO on a typewriter terminal since the overwrite on the CRTs makes them inappropriate for this program.

AT THE TERMINAL

OLD HISTO

Ready

100 DATA 1
110 DATA 100
REP

Ready

(Request standard distribution)
(100=Total number of points possible. Use the appropriate number if different)

RUN

HISTO 17 Jun 81 08:59

=====

THE NUMBER OF GRADES = 23

THE ARITHMETIC MEAN = 79.8261

THE STANDARD DEVIATION = 4.73529

CUTS BASED ON THE STANDARD DEVIATION

72.7 -----
73 5 5 !*****

77.5 -----

79 4 9 !****
79.8 ++++++
80 3 12 !***
81 4 16 !****
82 5 21 !*****
82.2 -----

86.9 -----

90 1 22 !*
91 1 23 !*

=====

Ready

DISTR converts raw scores into standard percentages based on the cut-off values input for A,B,C, and D. These values can be changed to produce any desired grade distribution. Again, it is suggested that DISTR also be run on a typewriter terminal.

AT THE TERMINAL

OLD DISTR

Ready

100 DATA 72,77,82,86

110 DATA 100

REP

Ready

(Highest grade in F, D, C, B categories)
(100=total number of points possible. Use
the appropriate number if different)

RUN

DISTR 17 Jun 81 09:00

F		D		C		B		A	
0 - 72		73 - 77		78 - 82		83 - 86		87 - 100	
0		5		16		0		2	
0 %		21 74 %		69.57 %		0 %		8 7 %	
RAW	STD	RAW	STD	RAW	STD	RAW	STD	RAW	STD
SCORE	SCORE	SCORE	SCORE	SCORE	SCORE	SCORE	SCORE	SCORE	SCORE
73	60	74	62	75	64	76	66	77	68
79	72	80	74	81	76	82	78	83	80
85	85	86	87	87	90	88	90	89	91
91	92	92	93						

Ready

DISTRIBUTION

- 1 - Director, Division of Engineering and Weapons
- 50 - Faculty, Division of Engineering and Weapons
- 4 - Assistant Librarian, U.S. Naval Academy Library
- 20 - Defense Documentation Center

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) A set of programs is available on the Naval Academy Timesharing System to assist faculty members in the mechanics of grade keeping and recording. This report describes the basic function of each program and provides step-by-step instructions so the novice user can fully utilize any one of the programs.		

DD FORM 1 JAN 73 1473

EDITION OF 1 NOV 65 IS OBSOLETE
S/N 0102-LF-014-6601

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**DA
FILM**