

CALIFORNIA STATE UNIVERSITY, SACRAMENTO
College of Business

MIS 102 - ADVANCED COBOL

ASSIGNMENT 2: Final Assignment Due Date – March 12, 2001 (see page B - 2 - 3)

120 pts

We, the administration of Itsapitz University, desire a report on our students. The report is to have the form shown in Exhibit 1. There will be a separate page for each college. The contents of the report will present the results of the processing of the test data of STDNTFIL.

You will require (for the complete assignment) a 4 x 18 x 4 table. That is, you will have four colleges, 18 majors, and 4 class levels.

Your data sources are: STDNTFIL (which contains the student records), MAJORFIL (which you construct yourself – it will contain the data relating major to major-code as shown in the table below), and the data for your college table (to be hard coded).

Data for the MAJOR-FILE

CODE	MAJOR	CODE	MAJOR
STA	STATISTICS	ECO	ECONOMICS
FIN	FINANCE	FRL	FOREIGN LANG
MKT	MARKETING	EEN	ELECTRICAL ENG
MGT	MANAGEMENT	MEN	MECHANICAL ENG
MIS	MGT INFO SYS	CEN	CHEMICAL ENG
ENG	ENGLISH	IEN	INDUSTRIAL ENG
PHY	PHYSICS	ELE	ELEMENTARY EDUC
BIO	BIOLOGY	SEE	SECONDARY EDUC
HIS	HISTORY	SPE	SECONDARY EDUC

Data for the college table (to be hard coded).

CODE	COLLEGE
1	BUSINESS
2	LIBERAL ARTS
3	ENGINEERING
4	EDUCATION

Criteria for Class Level:

FRESHMAN STATUS < 30 UNITS

JUNIOR STATUS ≥ 56 UNITS

SOPHOMORE STATUS ≥ 30 UNITS

and < 90 UNITS

and < 56 UNITS

SENIOR STATUS ≥ 90 UNITS

RECORD FORMAT FOR STDNTFIL:

SSN	PIC 9(9)
NAME	
LAST NAME	PIC X(18)
INITIALS	PIC XX
DATE OF BIRTH	
MONTH	PIC 99
YEAR	PIC 99
SEX	PIC X
MAJOR CODE	PIC X(3)
SCHOOL CODE	PIC 9
CUMULATIVE CREDITS	PIC 999
CUMULATIVE POINTS	PIC 999
UNION MEMBERSHIP CODE	PIC X
SCHOLARSHIP	PIC 999
DATE OF ENROLLMENT	PIC 9(4)
COURSES THIS SEMESTER OCCURS 7 TIMES	

COURSE NUMBER
COURSE CREDIT

PIC XXX
PIC 9

Program 2 Due Dates:

Program 2 – a

February 26, 2001:

DUE AT THE BEGINNING OF CLASS – NO LATE SUBMISSIONS

- **10 points** (out of 100 total): A preliminary hierarchy chart of the *complete program*, no less than two levels below the main-line module. The chart may be in ink or pencil, but it **must** be neat, legible, and professional with straight lines, clear printing, etc. Shabby work will be rejected.
- **10 points** (out of 100 total): Listings of your input data (both the file provided and the one created by you). You need not be fancy or complete in your format. You must, however, have a clear and eligible printed output with headings identifying the data in the column. A listing of your compiled program must also be submitted.

NOTE!! STDTFIL contains some text. You **must** examine it and clean it up *before* you use it as a data file.

Program 2 - b

March 5, 2001:

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- **40 points:** A rough report for the students from the Business College *only*. I would suggest that you make up a subset of your test data. The subset would consist only of the students majoring in business. That is, you will require a two-dimensional table only. Prior to beginning this phase, I recommend that you sketch the table that will contain your data entries. Visualization is extremely helpful in defining what it is you wish to do.

Program 2 - c

March 12, 2001:

- **65 points:** The completed assignment including a listing of your checked program, disk, and documentation. Documentation will include any assumptions you have made and justification(s) for each ,a hierarchy chart, and a macro flow chart.

STUDENT ENROLLMENT PROFILE REPORT

SUMMARY REPORT FOR THE COLLEGE OF xxxxxxxxxxxxxxxx

MAJOR xxxxxxxxxxxxxxxx

YEAR IN SCHOOL	NUMBER OF STUDENTS	TOTAL CREDITS	AVERAGE CREDITS
FRESHMAN	ZZ9	ZZ,ZZ9	ZZ9.9
SOPHOMORE	.	.	.
JUNIOR	.	.	.
SENIOR	.	.	.
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TOTALS	Z,ZZ9	ZZZ,ZZ9	ZZ9.9

MAJOR xxxxxxxxxxxxxxxx

(repeat the above for as many majors as there are in this particular college.)

TOTALS FOR COLLEGE OF xxxxxxxxxxxxxxxx

NUMBER OF STUDENTS	TOTAL CREDITS	AVERAGE CREDITS
ZZ,ZZ9	Z,ZZZ,ZZ9	ZZ9.9

EXHIBIT 1