

Program 5 is due Wednesday, May 10, 5 pm
30 pts

Purpose

The purpose of the program is

- Demonstrate writing a COBOL program that sorts a file.
- Use the sorted file create a summary disk file (i.e. another control break program)
- Use a table in the program
- Use the SEARCH COBOL Command
- Demonstrate writing good single minded paragraphs
- Demonstrate writing good descriptive comments

Problem: The Acme Computer Company would like you do to one more things with this Payroll file. They would like you to create a data file that summarizes annual salaries by job classification code.

Input file:

Employee No.	Employee Name	Territory No		Annual Salary in dollars (no pennies)		Job Classification Code	
1 5	6 25	26 27	28 29	30 35	36 46	47 48	49 80

Emp5.dat is a line sequential file.

Output file:

Job classification code	Job classification Name	Salary Avg rounded	Lowest Salary	Highest Salary
		9(6)V99		
1 2	3 22	23 30	31 36	37 42

Salary.dat is a sequential file.

Your program must sort the input file by job classification. For each job classification, you must write a record to the Salary.dat file with the above information. There is no report for this program.

Job Classification table

The job classification table has the following job titles associated with the codes:

Job Classification No	Name
01	Manager
02	Supervisor
03	Head Cashier
04	Cashier
05	Clerk - 1
06	Maintenance
07	Clerk - 2
08	Clerk - 3
09	Accounting Clerk

Requirements

Your program must sort the emp5.dat file.

Your program must use the sorted file to create the salary file.

Your program must use the control break algorithm – not an array to create the records for the salary file.

Your program must use a table for the job classification titles.

Your program must use the COBOL SEARCH command to retrieve the titles. If the title is not found, the record should say “BAD JOB CLASS” for the job classification name.

Program 5	Level 1
salary.dat is sequential file	3 points
salary.dat has a record for every job classification	5 points
Bad job classification has a record with Job Name that says "Bad Job Classification"	2 points
COBOL Table was created for the job classification names	3 points
Search command used to retrieve job classification	3 points
Documentation Banner	2 points
Each paragraph is documented	2 points
Single-minded paragraphs	2 points
Control break algorithm used	6 points
No Magic Numbers	2 points