953212 DB SYS & DB SYS DESIGN 64/1

Pre-Test (Lab1)

FirstName_____Lastname_____student ID_____

In this lab, you are going to apply your programming and problem-solving skills to generate small report from two given files, namely

machine1.data

machine2.csv

Information about data are describes as follows:

Data Set Information:

Attribute Information:

1. vendor name:
(adviser, amdahl,apollo, basf, bti, burroughs, c.r.d, cambex, cdc, dec,
dg, etc..)
2. Model Name: many unique symbols
3. MYCT: machine cycle time in nanoseconds (integer)
4. MMIN: minimum main memory in kilobytes (integer)
5. MMAX: maximum main memory in kilobytes (integer)
6. CACH: cache memory in kilobytes (integer)
7. CHMIN: minimum channels in units (integer)
8. CHMAX: maximum channels in units (integer)
9. PRP: published relative performance (integer)
10. ERP: estimated relative performance from the original article (integer)

Your objectives are:

1) write a Java program that sum the total PRP and ERP value from two file. (2.5 points)
2) How many vendor name from the two files? Write a Java program to count the unique vendor name. (2.5 points)
3) Write a Java function to insert (prime,50-850-ii,160,2000,8000,32,1,13,109,54) to the proper location??? (5 points)
4) [Extra credit] What problem have you found when dealing with the data files? Explain in detail? (2 points)

Submission

Submit your source code and this document with answer to the google classroom under lab1