



Python Project

Problem Statement:

You and your group is hired as a programmer and given the first assignment by ABC Bank with following details:

Bank has multiple **data files** with a consistent data format [**Id, name, last, balance, acc type**] and they asked you to perform the following tasks.

1. Summarize how many total data files you have in a provided **data folder** and in each **data file** – how many total data records you have in it.
2. Summarize in each data file, who has a max and minimum balance
3. Summarize in all the data files, who has the highest balance and minimum balance
4. Summarize how many total savings and checking accounts you have
5. Summarize how much total amount bank has in its Savings and Checking accounts

Extra credit:

1. Merge all the data files (data1.csv, data2.csv, data3.csv) into account.txt; this new file should contain all the data records.

Guidelines

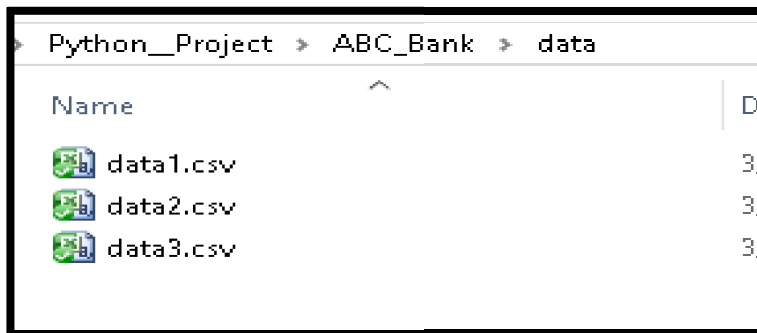
- **Students should work in 2 to 4 members team**
- Only use the provided data folder and its data files to perform the above tasks
- Program must be written in a Python language
- Students are encouraged to use different techniques / library to perform the tasks
- **Project is due in 3 weeks from the day it is assigned**

Deliverables

- **PowerPoint or Word doc** – explaining the following
 - o Describe each key component of your project
 - Program File
 - Data Folder
 - Data Files
 - Library (if you have used)
 - Report file (if you store your output)
 - Results (console output)
 - Etc
- **A Working program**



Project Folder and Files



=====data1.csv=====

Id,name,last,balance, acc type

1, tom, smith, 2000, saving

2,terry,smith,1000, checking

3,mike,William,2000,saving

Useful References:

1) How to read / write files / folders

<https://www.techbeamers.com/python-file-handling-tutorial-beginners/>

<https://www.guru99.com/reading-and-writing-files-in-python.html>