

Web Engineering Lab

Lab 05**Marks 100****Instructions**

Work on this quiz/lab individually.

You are **NOT** allowed to use internet, mobile phone.

You are **NOT** allowed to borrow anything from your peer student.

Copying/Cheating from any source (e.g., ChatGPT) is **STRICTLY PROHIBITED** and may cause the **CANCELTION/DROP** of your Lab course.

What you have to do

Program the following tasks. The name of your files will be according to the task given in this lab.

Take care of code indentation.

Task**[100]**

Implement a class **Bank** with attributes the name of account holder, 8-digit account number and amount. Write all the constructors and getter/setters for the data members.

This class must contains the following functionalities:

- `addNewRecord()` : to store the information of new account holder in a file (with default balance 1000 dollars).
- `transfer()` to send the money to any other person having the account in the same bank (i.e., file). Amount changes should be made on both recipient and sender's account. Your program should throw **noAccountAvailbaleException**, if the recipient record is not valid.
- `main()` : Provide a switch-based menu to execute this program in the following way:
 1. Add New Account
 2. Transfer.
 3. Exit

Instructions:

- You must use **;** as separator to recognize the different attributes of an account holder in the file. Therefore, the format of file may looks like:

Marcin	;	12345678	;	1000
Boukhars	;	45454545	;	500
Kimiaki	;	77777777	;	1500
- You must need to handle all the required exceptions.

😊😊😊 **BEST OF LUCK** 😊😊😊
