Assignment 1

❑ **Problem**

Make a class for a bank account. The class contains the following attributes.

- ○ Bank Account
- ○ Username
- ○ Password
- ○ Type of Account (적금, 입출금통장, 마이너스 통장)
- ○ Balance (총액)
- ○ Interest Rate per Year
- ○ Account Generated Date
- ○ Unique ID

After that, make three accounts for three different people and change the balance by <u>deposit</u> and <u>withdrawal</u>. However, the function must consider the type of account.

For example, Make a bank account instance for Mike and the type of account is 입출금통장. Deposit $500 and withdraw $300. After finishing all deposit and withdrawal functions, the balance is printed.

The Unique ID in the class is set to the static value (class variable). The unique ID increases when the new account is generated.

❑ **Assessment Points**

- ○ Usage of Class
- ○ Access Modifier in Class (Public, Private)
- ○ Difference between Class and Instances
- ○ Static Variable / Instance Variable (Member Variable)
- ○ Member Variable and Method for Class
- ○ Initializer and Finalizer of Instance

❑ **Development Environment**

- ○ Language: Python 3.11
    Please make the other environment for assignments.

- ○ Library
    There are no determined libraries.

❑ **Request**

○ Avoid using generative AI systems(chat-bot) when you make the method for solving this assignment.

➢ However, it's welcome to find the specific methods or the usage of the methods. Because this assignment is to know how to solve the problem and your problem-solving style, please provide all your own results.

➢ You can submit multiple results if you make multiple solutions.

○ Put the following comment for providing the code information in front of the code.

> *""""*
>
> File Name: {*.py File Name}
>
> Created Date: {Today's Date}
>
> Programmer: {Full Name for the Code developer}
>
> Description: {Information of This code}
>
> *""""*

❑ **Submission**

○ Add comments to lines that contain the significant and important function for this assignment.

➢ If you have events occurred while finding the solution, please write all methods.

○ Make the document containing the following information.

➢ Trial Records during solving the problems

➢ Output Screen Dump

○ Send *.py file with the file to e-mail (songmho@deltax.ai).

➢ If the output is text in CMD, send the screen dump for the output.

➢ If the output is image, send several example images after archived.

○ Due Date is the end of this week (20th Jun.)

If you need more time, you can request it before 20th Jun. noon.