Programming – Course-End Project (Banking Domain)

You need to complete and submit this project to successfully complete the course.

Software Requirements: To perform the steps in this project, you need to install **Python** in your local system first. You can refer to **Programming Basics - Demo Install Python** in the course for more information on installation.

Problem Statement:

(Use parameterized constructors in all classes to initialize default values)

Create a bank class with the following attributes:

- o `IFSC_Code`
- o `bankname`
- o `branchname`
- o `loc`

Create a customer class with the following attributes:

- o `CustomerID`
- o `custname`
- o `address`
- o `contactdetails`

Create an account class that inherits from bank class with the following attributes (Use Super () to pass value to the base class):

- ● `AccountID`
- ● `Cust Object of Customer`
- ● `balance`

Add the following methods to get account information, withdraw, and deposit:

```
getAccountInfo()
deposit(2000,'true')
widthraw(500)
getBalance()
```

Create a SavigsAccount class that inherits from the account with the following attributes (Use Super () to pass valued to the base class):

- SMinBalance

Add the following methods to get account information, withdraw, and deposit:

```
getSavingAccountInfo()
deposit(2000,'true')
widthraw(500)
getBalance()
```

Validate MinBalance before allowing withdrawals.

Create a class that runs the program and accepts input from the end user to create respective class objects and print details. Add a method to perform deposit and withdrawal transaction based on the end user input.