

## Programming in Python: Bank Account Manager

This project will practice creating a class and instantiating objects. You will complete the following methods in the BankAccount class of **bank\_acct\_starter.py**:

**\_\_init\_\_()**: initializes a new BankAccount object

**getAccountInfo()**: prints a description of the account (excluding password)

**getBalance()**: prints the balance for the given account

**deposit()**: deposits money into the given account

**withdraw()**: withdraws money from the given account. Should fail if there are insufficient funds.

You will also need to add some code within the **main()** function to complete the program. Much of the code has been written for you. The parts you need to complete are marked by **TODO**. Some sample accounts have been provided to test your program functionality.

Some sample runs through the program: *#1: successful login and withdrawal*

```
Welcome to the Deposit & Withdrawal Machine.
MENU
1. Log in
2. Create account
3. Quit
What would you like to do? Please enter the option number: 1
Please enter the email associated with your account: hpotter@gmail.com
Please enter your password: leviosa
Sucessfully logged in.

MENU
1. Get Account Info
2. Get Balance
3. Make a deposit
4. Make a withdrawal
5. Log out
What would you like to do? Please enter the option number: 1
Name: Harry Potter
Email: hpotter@gmail.com
Account ID: 1001
Current balance: $30.0

MENU
1. Get Account Info
2. Get Balance
3. Make a deposit
4. Make a withdrawal
5. Log out
What would you like to do? Please enter the option number: 4
Enter amount to be withdrawn: $20
Amount Withdrawn: $20.0
Your new balance is $10.0

MENU
1. Get Account Info
2. Get Balance
3. Make a deposit
4. Make a withdrawal
5. Log out
What would you like to do? Please enter the option number: 5
Thank you for using the Deposit & Withdrawal Machine. Goodbye!
```

## *#2: unsuccessful login*

```
Welcome to the Deposit & Withdrawal Machine.
MENU
1. Log in
2. Create account
3. Quit
What would you like to do? Please enter the option number: 1
Please enter the email associated with your account: fake@gmail.com
Please enter your password: password
Invalid login credentials.

Welcome to the Deposit & Withdrawal Machine.
MENU
1. Log in
2. Create account
3. Quit
What would you like to do? Please enter the option number: 3
Thank you for using the Deposit & Withdrawal Machine. Goodbye!
```

## *#3: successful login and deposit*

```
Welcome to the Deposit & Withdrawal Machine.
MENU
1. Log in
2. Create account
3. Quit
What would you like to do? Please enter the option number: 1
Please enter the email associated with your account: lclarke@gmail.com
Please enter your password: commander123
Sucessfully logged in.

MENU
1. Get Account Info
2. Get Balance
3. Make a deposit
4. Make a withdrawal
5. Log out
What would you like to do? Please enter the option number: 2
Available Balance: $150.0

MENU
1. Get Account Info
2. Get Balance
3. Make a deposit
4. Make a withdrawal
5. Log out
What would you like to do? Please enter the option number: 3
Enter amount to be deposited: $20
Amount Deposited: $20.0
Your new balance is $170.0

MENU
1. Get Account Info
2. Get Balance
3. Make a deposit
4. Make a withdrawal
5. Log out
What would you like to do? Please enter the option number: 5
Thank you for using the Deposit & Withdrawal Machine. Goodbye!
```

#### *#4: successful create account and unsuccessful withdrawal*

```
Welcome to the Deposit & Withdrawal Machine.
MENU
1. Log in
2. Create account
3. Quit
What would you like to do? Please enter the option number: 2
Please enter your first name: Brittney
Please enter your last name: Chin
Please enter an email for your account: bchin@gmail.com
Please enter your password: test1234
Account created successfully.

MENU
1. Get Account Info
2. Get Balance
3. Make a deposit
4. Make a withdrawal
5. Log out
What would you like to do? Please enter the option number: 1
Name: Brittney Chin
Email: bchin@gmail.com
Account ID: 1003
Current balance: $0

MENU
1. Get Account Info
2. Get Balance
3. Make a deposit
4. Make a withdrawal
5. Log out
What would you like to do? Please enter the option number: 4
Enter amount to be withdrawn: $10
Insufficient balance.

MENU
1. Get Account Info
2. Get Balance
3. Make a deposit
4. Make a withdrawal
5. Log out
What would you like to do? Please enter the option number: 5
Thank you for using the Deposit & Withdrawal Machine. Goodbye!
```

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