Lab Assignment 8

Objective:

To work with class methods (continued from lab 7).

Assignment:

This assignment is a continuation from lab 7, where you need to create a class named 'Account' with the following attributes:

Key	value	data type
Name	<userInput>	(string)
Savings	100	(float)
checking	20	(float)
Card	10	(float)
Limit	50	(int)

Define class methods "displayBalance ()" and "cashServices ()". The method displayBalance () should display the account owner's name, his Account Balance and Available Balance in format and alignment (use center aligned):

Account owner's name: <Account.name>

Acc-Type	Account Balance	Available Balance
Savings	$ 100.00	$ 110.00
Checking	$ 20.00	$ 20.00
Card	$ 10.00	$ 40.00

The method cashServices () should ask the user to input the account type and amount to be deposited in the account type. Let 'S' denotes Savings, 'K' denotes Checking and 'C' denotes Card account type. The user should input the account type and amount separated by space in a single line. The amount entered by the user should be updated in the respective account and should get reflected in the displayBalance ().

The program should start by calling a menu (), which should display the following menu.

1. Display Balance
2. Cash Services
3. Exit

All the rules in the displayBalance () are same as in the previous assignment.

Note: For cashServices (), use only Savings and Checking account for updating.

Sample output:

```
Please enter your name: Meera

1: Display Balance
2: Cash Services
3: Exit

Enter an option: 1

Account owner's name:  Meera
  Account Type    Account Balance   Available Balance
    Savings       $    100.0        $       110.0
    Checking      $     20.0        $        20.0
      Card        $     10.0        $        40.0
```

```
1: Display Balance
2: Cash Services
3: Exit

Enter an option: 2

Choose account and amount S 100

$100 is deposited into account
```

```
1: Display Balance
2: Cash Services
3: Exit

Enter an option: 1

Account owner's name:  Meera
  Account Type    Account Balance   Available Balance
    Savings       $    200.0        $       210.0
    Checking      $     20.0        $        20.0
      Card        $     10.0        $        40.0
```

```
1: Display Balance
2: Cash Services
3: Exit

Enter an option: 3
student@CSCILab21:~/Desktop$
```

Instructions:

- Preferred programming environment:
    - OS : Linux (Mint)
    - Interpreter : Python 3 (not Python 2)
    - Editor : gedit or editor of your choice
- The program is saved as a file with .py extension.

- The program should include a comment block at the top with your name, course number and course section, assignment number

  For example:

  ```
  # Your name
  # CSCI II 161 L01/L02
  # Assignment 8
  ```

- Upload your file as your ***lastname_firstname_assignmentnumber.py***

For example:

lastname_firstname_8.py