Challenge

Creating Objects and Constructors

Online Banking

Today, 'Life at your Doorstep' has become a way of life. Performing routine tasks has become quite simple as many companies have started providing services online.

Banking services are also mostly online, but to open a bank account, one must visit a bank in person. Many global banks have ventured into the new era of banking. They allow the customers to open their bank accounts from the comfort of their homes.

The Coast State Bank now provides the ability to open an account on its online platform. They provide this service to individuals who are more than 18 years of age. However, not all types of accounts can be opened online. Currently, the bank allows customers to only open a savings account.

Create objects and define constructors for the savings account class.

CHALLENGE

Challenge Statement

- The savings account must have some basic attributes:

  - A 12 digit auto generated account number

  - The account holder's name

  - Account balance

  - Account status

- The customer must be able to perform a withdrawal of cash, check their balance and deposit cash

- The savings account must be able to debit cash, credit cash and display the balance.

Tasks

- In the `SavingsAccount` class create a parameterized constructor and assign values to the variables.

- Write the logic to:

    - Retrieve the account balance

    - Debit cash

    - Credit cash

Tasks (cont'd)

- Create an implementation class called `SavingsAccountImpl`.

- Declare and initialize objects of the `SavingAccount` class in the main method of the `SavingsAccountImpl` class and call the methods to retrieve balance, debit and credit the amount.