**Assignment 1- Class and Object with Constructor in Python**

Here's another example assignment that involves creating a class with a constructor in Python. In this assignment, you'll design a simple class that represents a basic banking system. The class will have attributes such as account holder name, account number, and balance, along with methods for displaying and updating the account information.

**Task 1: Design the BankAccount Class**

Create a Python class named BankAccount that has the following attributes:

* account\_holder\_name: representing the account holder's name
* account\_number: representing the account number
* balance: representing the account balance

The class should also have the following methods:

* display\_account\_info(): displays the account holder's information
* deposit(amount): deposits the specified amount into the account
* withdraw(amount): withdraws the specified amount from the account

**Task 2: Create Objects and Test the Class**

Instantiate multiple objects of the BankAccount class and test the functionality of the class methods by displaying and updating the account information.

**Solution:**

class BankAccount:  
 def \_\_init\_\_(self, account\_holder\_name, account\_number, balance):  
 self.account\_holder\_name = account\_holder\_name  
 self.account\_number = account\_number  
 self.balance = balance  
  
 def display\_account\_info(self):  
 print(f"Account Holder: {self.account\_holder\_name}, Account Number: {self.account\_number}, Balance: {self.balance}")  
  
 def deposit(self, amount):  
 self.balance += amount  
 print(f"Account Holder: {self.account\_holder\_name}, New Balance: {self.balance}")  
  
 def withdraw(self, amount):  
 self.balance -= amount  
 print(f"Account Holder: {self.account\_holder\_name}, New Balance: {self.balance}")  
  
  
# Create an object of the class  
accholder1 = BankAccount("Rahul", 123456, 10000)  
accholder2 = BankAccount("Amit", 567890, 15000)  
  
# Display the information using the method  
accholder1.display\_account\_info()  
accholder2.display\_account\_info()  
  
accholder1.deposit(2500)  
accholder2.withdraw(5000)  
  
accholder1.display\_account\_info()  
accholder2.display\_account\_info()