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In [ ]:
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Dear Students,
We have covered core python, now it's time to test your coding and logical skills, also to know how confident you are with the syntax, i'm giving you a small project:
Write a python program to replicate a Banking system. The following features are mandato ry:

1. Account login
2. Amount Depositing
3. Amount Withdrawal
Other than the above features you can add any other also.

You should upload the code and output in to your github account. Submit the github link here.
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In [4]:

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class BankAccount:
    def __init__(self, name, acc_number, balance):
       self.__name = name
       self. acc number = acc_number
       if balance > 0:
           self. balance = balance
       else:
           raise ValueError ("Initial balance cannot be negative")
    def get name(self):
       return self. name
    def get acc number(self):
       return self.acc number
    def get balance(self):
       return self. balance
    def display(self):
       print(f"Name: {self. name}, Account number: {self. acc number}")
    def deposit(self,amount):
        if amount > 0:
            self. balance+= amount
            print(f"Deposit successful. New balance: {self. balance}")
           print("Deposit amount must be positive")
    def withdraw(self, amount):
       if amount <= 0:</pre>
           print("Withdrawal amount must be greater than zero.")
       elif amount > self. balance:
           print(f"Insufficient balance. Your balance is {self. balance}")
       else:
           self. balance -= amount
           print(f"Withdrawal successful. New balance: {self. balance}")
# Example usage
try:
    # Creating an account with valid details
   b1 = BankAccount("Safa Mariyam", 123456789, 5000)
    # Performing some transactions
   b1.deposit(2000) # Deposit money
   b1.withdraw(500)
                           # Withdraw money
    # Display account details (excluding balance)
   b1.display()
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# To check the balance securely
    print(f"Your balance is: {b1.get_balance()}")

except ValueError as ve:
    print(ve)

Deposit successful. New balance: 7000
Withdrawal successful. New balance: 6500
Name: Safa Mariyam, Account number: 123456789
Your balance is: 6500
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In []: