In [6]: **class** Student:

In [3]: self.interestRate=interestRate inp1 = input("Enter the Account holder name :") inp2 = int(input("Enter the Account balance:")) inp3 = int(input("Enter the intrest rate:")) acc=Account(inp1,inp2) print(acc.title) print(acc.balance) sav =SavingAccount(inp1,inp2,inp3) print("Account holder name : ", sav.title) print("account balance :", sav.balance) print("intrest Rate :", sav.interestRate) Enter the Account holder name :ashish Enter the Account balance:5000 Enter the intrest rate:5

ashish 5000 Account holder name : ashish account balance : 5000 intrest Rate : 5

Challenge 5: Handling a Bank Account

In [10]: **class** Account:

def __init__(self, title, balance): self.title=title self.balance=balance def getbalance(self): return self.balance def withdraw(self, amount): self.balance-=amount def deposit(self, amount): self.balance+=amount class SavingsAccount(Account): def __init__(self, balance, interestrate) : super().__init__(self,balance) self.interestrate=interestrate def interestAmount(self): return self.interestrate*self.balance/100 inp1 = input("Enter the Account holder name :") inp2 = int(input("Enter the Account balance:")) p=Account(inp1,inp2) print("Account holder name:",p.title) print("Account balance:",p.balance) p.deposit(int(input("enter the amount to deposit:"))) print("Current balance:",p.getbalance()) p.withdraw(int(input("enter the amount to withdraw:"))) print("Current balance:",p.getbalance()) svv=SavingsAccount(p.getbalance(),int(input("enter the amount to SimpleInterest:"))) print("Interest amount:", svv.interestAmount()) Enter the Account holder name :ashsih

Account holder name: ashsih Account balance: 2000 enter the amount to deposit:500 Current balance: 2500 enter the amount to withdraw:500 Current balance: 2000 enter the amount to SimpleInterest:5 Interest amount: 100.0

Enter the Account balance:2000