**Account Manipulation - Abstract class**

YES bank needs to automate the bank transactions.  There are many accounts, like Savings Account, Current Account, Demat Account and so on.

As start up, they need to automate the **Savings Account** details.

You are provided with a **public class Customer** with private attributes :

                                  int  customerId

                                  String customerName

                                  String emailId

*Appropriate public getters and setters to be included*

Write a public 3 argument constructor with arguments – customerId, customerName and emailId.

Write a public **class Account** with protected attributes:

                                  int accountNumber

                                  Customer customerObj

                                  double balance

*Appropriate public getters and setters to be included*

Write a public 3 argument constructor with arguments – accountNumber, customerObj and balance.

Write a public method in Account class as,

**public boolean withdraw(double amount) – Make this method as abstract.**

Write  a **public class SavingsAccount** (as an extension to Account class) with private attribute :

                                 double minimumBalance

*Appropriate public getters and setters to be included*

**Make this class SavingsAccount to inherit the Account class.**

Write a public 4 argument constructor with arguments – accountNumber, customerObj, balance and minimumBalance.

Implement the  withdraw() method  as

**public boolean withdraw(double amount) -**  This method should return true if withdraw is successful, else return false.

     In this method, check if

**balance - amount   is greater than the minimum balance.**

**If yes, perform withdraw.  Reduce the withdraw amount from the balance and return true.**

**If not, return false.**

Create a public **class Main** which has the main method.  Check the correctness of the methods written in these classes.

Note :  All class, methods needs to be declared as public

**Sample Input -1**

enter A/C number: 123456

enter customer id: 9010

enter customer name: Pankaj Kumar

enter customer email: [pankaj@gmail.com](mailto:pankaj@gmail.com)

enter balance: 25000

enter minimum balance: 1000

enter amount to withdraw: 5000

**Sample Output – 1**

Rs. 5000.00 debited | Balance: 20000.00