LAB - 5

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```
import java.util.scanner;

class Account
{
  protected string cust name;
  protected int accno;
  protected double balance;

 public account (String custname, int accno,
                     double balance)
 {
  this.custname = custname;
  this.accno = accno;
   this.balance = balance;
  }

 public void deposit (double amount)
 {
   if (amount >0)
      {
       balance += amount;
       SOP("deposided" + amount);
      }
   else
     {
      SOP ("invalid deposit amount");
     }
  }
public void display_balance ()
  {
  ~~petra~~ SOP ("Balance: " + balance);
  }
}
```

```
class savacc extends account
{
  private double interestrate;
  public savacc (String custname, int acc
    double balance, double interestrate)
  {
     super(custname, accno, balance);
     this.interestrate =interestrate;
  }

public void computeand deposit interest()
{
  double interest = balance * (interestrate/100
  balance+=interest;
  SOP("interest added : "+ interest);
}

public void withdraw (double amount)
  {
    if (amount <=balance)
      {
        balance -= amount;
        SOP("withdrawn: "+ amount);
      }
    else
    { SOP ("Insufficient balance ");
    }
  }
}
class curracc extends account.
 {
    private double minimum Balance;
    private double servicecharge;

   public curracc (string customerName, int
    accnum, double minimumBalance, double
    servicecharge)
    {
      super (customername, accno, balance);
      this. minbalance =minbalance;
      this. service chage = servicecharge;
    }


public void withdraw (double amount)
   {
      if (amount < = balance)
       {
          balance -= amount ;
          sop ( withdrawn :   " amount);
          }
      if ( balance < minbalance )
        {
          balance -= service charge;
          sop ("service charge imposed "+ service charge);
          }
      }
  else
   { sop ("insufficient balance for withdrawal)
    }
  }
}
```

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```
public class Bank
 {
  psvm (String [] args)
   {
     Scanner sc = new Scanner (System.in);
     sav acc sav acc = new saw acc
                  ("Ananya", 12345,
                    1000, 5);


    currAcc currAcc = ~~ct~~ new currAcc
                  ('Jam', 67890, 2000,
                       500, 50);


    sop (" choose acc type : \n 1:
        Savings Account  \n
         2: current Account ");

    int choice = sc.nextInt();

   switch (choice)
    {
      case 1 :
      SOP ("savings Account selected");
      savacc. deposit (500);
      savacc. comp dep interest ();
      savAcc. withdraw (300);
      sav acc. display Balance ();
      break;


    case 2 :
      SOP (" current Account select ");
      curr acc. deposit (500);
      curr acc. withdraw (1800);
      ~~currAcc.~~ display Balance ();
      break;
    default:
        SOP ("Invalid choice")
    }
    sc.close()
  }
}
```

O/P:

```
1) Saving Account
2. Current Account
1
Savings account selected
deposited : 500.0
interest added : 75.0
withdrawn : 300.0
 Balance : 1275.0

choose Account type
1. Savings Account
2. Current Account
2
current Account selected
deposited : 500.0
withdrawn : 1800.0
Balance : 7000.
```