```
import java.util.Scanner
class Account
{
 private String name;
 private double account_no;
 private char account_type;
 private double balance;
void getdata (char ch)
{
 Scanner xx = new
  Scanner (System.in);
 System.out.print ("Enter the name of customer:");
 name = xx.next();
  xx = nextLine();
System.out.print ("Enter the account number of
   the customer:");
account_no = xx.nextDouble();
System.out.print ("Enter the balance of the customer
  balance = xx.nextDouble();
  account_type = ch;
}
  void updatebalance (double n)
{ balance = balance + n;
}
  void updatebalance (double n)
 {
   balance = balance-n;
  }
```

```
    double getbalance()
{ return balance;
 }
  void displaybalance()
{
  System.out.println("The balance is :"+balance);
 }
}

Class Saving_Account extends
 Account {
  private double interest_rate;
   Saving_Account()
{
  Scanner xx = new
  Scanner(System.in);
   getdata('s');
System.out.print("Enter the interest rate :");
 interest_rate = xx.nextDouble();
 }
  Void  getdeposit()
{
  Scanner xx = new
  Scanner(System.in);
  System.out.print("Enter the amount to be
                    deposited :");
   double x = xx.nextDouble();
   updatebalance(x);
```

```
void computeinterest ( )
{ double
  x= (getbalance( ) * interest_rate) /100
  updatebalance (x );
System. out. println ( "The computed interest is " +x);
  displaybalance( );
}
  void withdrawal( )
{ System. out. print ( "Enter the amount to be
                        withdrawn:" );
   Scanner xx = new
Scanner (System. in );
  double x = xx. nextDouble( );
  while ( n> getbalance( ) )
{
System. out. println ("The amount withdrawn is
                        more than the balance enter
                        again : );
     x = xx. nextDouble( );
  }
    updatebalance ( n)
  display balance( );
 }
}
```

```
class Current_Account extends
Account {
private double min_balance;
 private int cheque_book;
 Current_Account ()
{
    Scanner xx = new
    Scanner (System.in);
     getdata ('c');
 System.out.print("Enter the minimum balance:");
min_balance = xx.nextDouble();
}
 void getdeposit()
{ Scanner xx = new Scanner (System.in);
System.out.print("Enter the amount to be
                    deposited:");
double x = xx.nextDouble();
updatebalance(x);
}
  void issuecheck()
{
  Scanner xx = new Scanner (System.in);
   double x = xx.nextDouble();
while (x > (getbalance() - min_balance))
{
 System.out.println("The amount withdrawn is
more than the balance enter again:");
    x = xx.nextDouble;
}
```

```
updatebalance1(x);
displaybalance();
}
}
public class Main {
public static void main (String args[])
{
Scanner input = new Scanner (System.in);
char ch;
System.out.println("Enter the type of acount
you want (c/s) : ");
ch = input.next().charAt(0);
if (ch == 'S' || ch = 's')
{ Saving_Account S=new Saving_Account();
int x=1;
while (x!=0)
{
System.out.println("Enter 0 for exit:");
System.out.println("Enter 1 for deposit :");
System.out.println("Enter 2 for balance enquiry :");
System.out.println("Enter 3 to calculate interest!");
System.out.println("Enter 4 for withdrawal!");
x = input.nextInt();
if (x==0)
```

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```
else if (x==1)
{ s.getdeposit()
}
 else if (x==2)
{   s.displaybalance();
}
else if (x==3)
 { s. computeinterest();
 }
else if (x==4)
 { s. withdrawal()
  }
 }
}
 else
{
   Current_Account  s= new Current_Account();
   int x=1;
   while (x!=0)
{
 System.out.println("Enter 0 for exit:");
 System.out.println("Enter 1 for deposit:");
System.out.println("Enter 2 for balance enquiry:");
System.out.println("Enter 3 to apply for cheque:");
System.out.println("Enter 4 for withdrawal:");
   x = input.nextInt();
```

```
if (x == 0)
  break;
else if (x == 1)
{
  s. getdeposit ();
}
 else if (x == 2)
{
  s. displaybalance ();
}
 else if (x == 3)
{
  s. issuecheck ()
}
else if (x = 4)
{
  s. withdrawal ();
}
}
}
}
}
```