```
 1
 2 class BankAccount{
 3
 4     //private balance attribute
 5     private double balance;
 6
 7
 8     //Initialising Bank Account constructor
 9     public BankAccount(double initial)
10     {
11         if(initial>=0)
12         {
13             this.balance=initial;
14         }
15         else{
16             System.out.println("Balance cannot be
   Negative");
17         }
18     }
19
20     //Deposit Method
21     public void Deposit( double amount)
22     {
23         if(amount>=0)
24         {
25             balance+=amount;
26             System.out.println("Rs."+ amount + "
   deposited in your Bank Account");
27         }
28         else{
29             System.out.println("Enter Valid Amount");
30         }
31
32     }
33
34
35     //Withdraw Method
36     public void Withdraw(double amount)
37     {
38         if(amount>=0 && balance >=amount)
39         {
```

```
40              balance-=amount;
41              System.out.println("Rs." + amount + "
   withdrawn from your Account");
42          }
43          else{
44              System.out.println("Enter Valid Amount");
45          }
46      }
47
48      public double currentBalance()
49      {
50          return this.balance;
51      }
52  }
53
54  public class Assignment3 {
55
56      public static void main(String[] args)
57      {
58          //initialising bank account object
59          BankAccount bankAccount = new BankAccount(
   10000);
60
61          //calling Deposit Method
62          bankAccount.Deposit(500);
63          System.out.println("Current Balance: " +
   bankAccount.currentBalance());
64
65          //calling Withdraw Method
66          bankAccount.Withdraw(1000);
67          System.out.println("Current Balance: " +
   bankAccount.currentBalance());
68
69      }
70
71
72  }
73
```