Practical No. 4

A. Write a Java program to create a package MyPack with the class Balance to check the account balance of user. If it is less than 0 then show message.

Step 1 :

Write a java program in the bin directory of jdk

```
//AccountBalance.java
package MyPack;

 class Balance{
  String name;
  double bal;

            Balance(String n,double b){
            name=n;
            bal=b;
           }

           void show(){
            if(bal<0)
            System.out.println("-->");
            System.out.println(name+" : Rs."+bal);
           }
}

  public class AccountBalance{
          public static void main(String args[]){
                  Balance  current[]=new Balance[3];
                  current[0]=new Balance("Aarti",123.23);
                  current[1]=new Balance("Shailesh",183.33);
                  current[2]=new Balance("Arun",-1.43);
                          for(int i=0;i<3;i++)
                             current[i].show();
          }
}
```

Step 2 :
Compile the program using following command
C:\jdk1.3\bin>javac -d . AccountBalance.java

Step 3 :
Run the program using following command
C:\jdk1.3\bin>java MyPack.AccountBalance

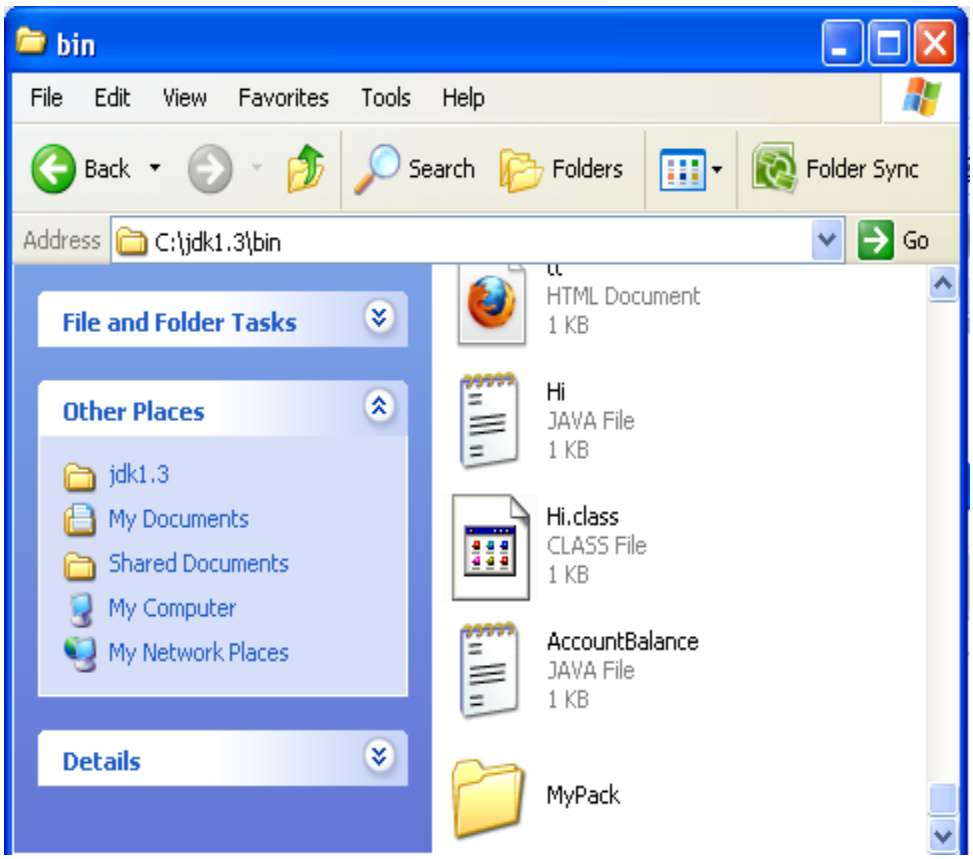
Aarti : Rs.123.23
Shailesh : Rs.183.33
-->
Arun : Rs.-1.43

Explanation :

1. javac -d . Program_name.java

-d <directory> Specify where to place generated class files

The above command states that put Program_name.class in the current directory. Hence package MyPack will be automatically created with 2 class files AccountBalance.class and Balance.class. MyPack will be placed in jdk1.6\bin directory.



B. Write a java program to create a package and display a message.

```
//DemoPack.java

package SecondPack;


 class DemoPack

{
```

```
 public static void main(String args[])
 {
 System.out.println("This is SecondPack package");
 }
}
```

Output:

```
C:\Program Files\Java\jdk1.7.0_51\bin>javac -d . DemoPack.java

C:\Program Files\Java\jdk1.7.0_51\bin>java SecondPack.DemoPack
This is SecondPack package

C:\Program Files\Java\jdk1.7.0_51\bin>
```