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Q1.

```
import java.util.Scanner;
public class ReverseString
{

          public static void main(String[] args)
          {

           String str1 = "Bhawan";
           String d= "";

           for (int i = str1.length() - 1; i >= 0; --i) {
            d += str1.charAt(i);
           }


           char[] str=d.toCharArray();
           for(int i=0;i<d.length();i++)
              {
           if(i==0 || str[i-1]==' ')
              {
               str[i]=Character.toUpperCase(str[i]);
              }
            else if(str[i]==' ' || str[i]=='\0')
                str[i-1]=Character.toUpperCase(str[i-1]);
              }
           System.out.print("After Converting String is: ");
           for(int i=0;i<d.length();i++)
           System.out.print(str[i]);
                    }
         }
```

Q2.

```
import java.io.*;
import java.lang.*;
class LessBalanceException extends Exception
{
 LessBalanceException(double amt)
 {
 System.out.println("Withdrawing "+amt+" is Not vlaid");
 }
}
class Account
{
 static int count=0;
 int accno;
 double bal;
 String name;
 Account(double bal,String n,int accno)
 {
  System.out.println("\nNew Account opened....!!");
  this.bal=bal;
  count++;
  System.out.println("Account Holder Name : " + n);
  name=n;
  System.out.println("Your Account Number is : "+accno);
  this.accno=accno;
  System.out.println("Total number of accounts : "+count);
```

```
 }
 void deposit(double amt)
 {
  System.out.println("Availabe Balance : "+bal);
  bal=bal+amt;
  System.out.println("Rs. : "+amt+" /- Created");
  System.out.println("Balance : "+bal);
 }
 void withdraw(double amt) throws LessBalanceException
 {
  System.out.println("\nAvailabe Balance : "+bal);
  bal-=amt;
  if(bal<500)
  {
   bal+=amt;
   throw new LessBalanceException(amt);
  }
  System.out.println("Rs. : "+amt+ "/-Debited");
  System.out.println("Balacne : "+bal);
 }
 void balance()
 {
  System.out.println("\n***Customer information**");
  System.out.println("=========================================");
  System.out.println("Customer Name : "+name);
  System.out.println("Account Number : "+accno);
  System.out.println("Balance : "+bal);
 }
}
class AccountDemo
{
 static int i=0;
 public static void main(String argv[]) throws IOException
 {
  Account ob[]=new Account[10];
  BufferedReader br=new BufferedReader(new InputStreamReader(System.in));
  double amt;
  String name;
  int ch,accno,k;
  boolean t=false;
  while(true)
  {
   System.out.println("\n** Bank Transaction **");
```

```
System.out.println("1.Open new Account\n2.Deposit");
System.out.println("3.Withdraw\n4.Balance\n5.Exit");
System.out.print("Enter your choice : ");
ch=Integer.parseInt(br.readLine());
switch(ch)
{
case 1:
System.out.println("Opening New Account : ");
System.out.print("Enter your name : ");
name=br.readLine();
System.out.print("\nEnter Account Number : ");
accno=Integer.parseInt(br.readLine());
System.out.print("\nEnter initial amount(to be >=500) : ");
amt=Double.parseDouble(br.readLine());
if(amt<500)
System.out.println("You cannot create an account with less than Rs.500/-");
else
{
 ob[i]=new Account(amt,name,accno);
 i++;
}
break;

case 2:
System.out.print("\nEnter Account number : ");
accno=Integer.parseInt(br.readLine());
for(k=0;k<i;k++)
if(accno==ob[k].accno)
{
 t=true;
 break;
}

if(t)
{
 System.out.print("\nEnter the Amount for Deposit : ");
 amt=Double.parseDouble(br.readLine());
 ob[k].deposit(amt);
}
else
System.out.println("Invalid Account Number...!!!");
t=false;
break;
```

```
case 3:
System.out.print("\nEnter Account number : ");
accno=Integer.parseInt(br.readLine());
for(k=0;k<i;k++)
if(accno==ob[k].accno)
{
 t=true;
 break;
}

if(t)
{
 System.out.print("\nEnter the Amount for Withdraw : ");
 amt=Double.parseDouble(br.readLine());
 try
 {
  ob[k].withdraw(amt);
 }
 catch(LessBalanceException e)
 {}
}
else
System.out.println("Invalid Account Number...!!!");
t=false;
break;

case 4:
System.out.print("\nEnter Account number : ");
accno=Integer.parseInt(br.readLine());
for(k=0;k<i;k++)
if(accno==ob[k].accno)
{
 t=true;
 break;
}

if(t)
{
 //System.out.println(accno +" asdfsdf " +ob[k].accno);
 ob[k].balance();
}
else
System.out.println("Invalid Account Number...!!!");
t=false;
```

```
   break;

   case 5:
   System.exit(1);
   default: System.out.println("Invalid Choice !!!");
   }
  }
 }
}
```