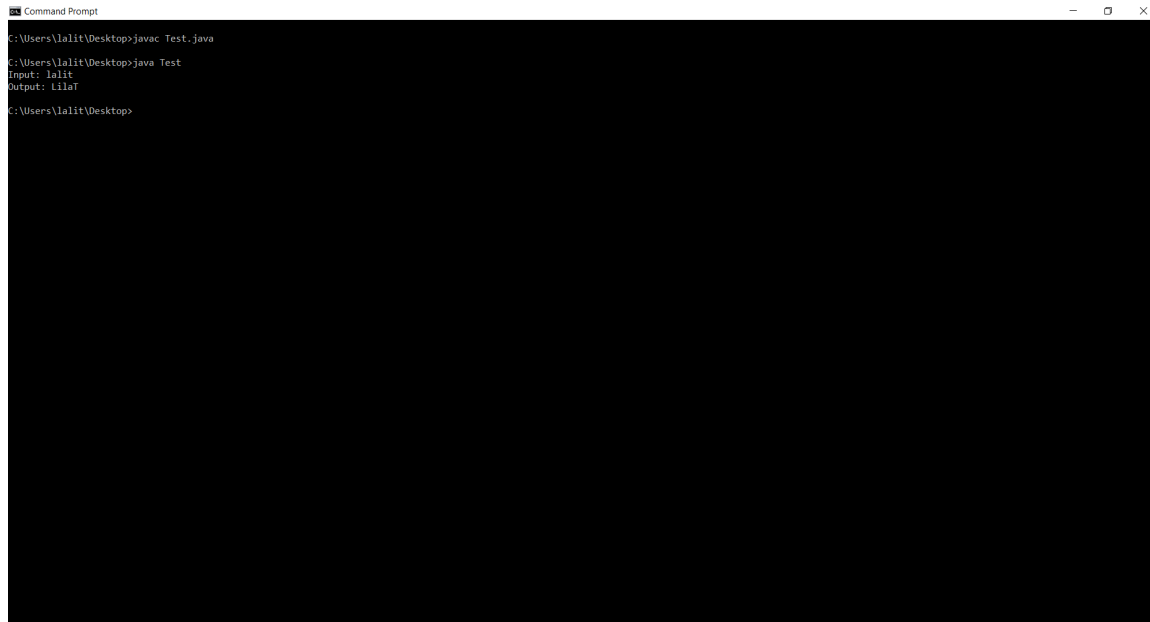


Question 1 -

source code

```
class Test{  
    public static void main(String[] args){  
  
        String input = "lalit";  
        String output = "";  
        char c1 = input.charAt(0);  
        char c2 = input.charAt(input.length()-1);  
        output = "" + String.valueOf(c1).toUpperCase();  
        int length = input.length()-2;  
        while(length>0){  
            output = output + String.valueOf(input.charAt(length));  
            length--;  
        }  
        output = output + String.valueOf(c2).toUpperCase();  
        System.out.println("Input: " + input);  
        System.out.println("Output: " + output);  
    }  
}
```

output -



```
Command Prompt
C:\Users\lalit\Desktop>javac Test.java
C:\Users\lalit\Desktop>java Test
Input: lolit
Output: Lila!
C:\Users\lalit\Desktop>
```

Question 2 :

```
import java.io.*;
```

```
import java.lang.*;
```

```
class LessBalanceException extends Exception
```

```
{
```

```
    LessBalanceException(double amt)
```

```
    {
```

```
        System.out.println("Withdrawing "+amt+" is invlaid");
```

```
    }
```

```
}
```

```
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("\nCustomer 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 !!!");

}

}

}

}

output :

```
Command Prompt - java AccountDemo
New Account opened....!!
Account Holder Name : lalit
Your Account Number is : 12345
Total number of accounts : 1

*** Bank Transaction ***
1.Open new Account
2.Deposit
3.Withdraw
4.Balance
5.Exit
Enter your choice : 3

Enter Account number : 1000
Invalid Account Number....!!!

*** Bank Transaction ***
1.Open new Account
2.Deposit
3.Withdraw
4.Balance
5.Exit
Enter your choice : 3

Enter Account number : 12345

Enter the Amount for Withdraw : 1000

Avallabe Balance : 500.0
Withdrawing 1000.0 is invalaid

*** Bank Transaction ***
1.Open new Account
2.Deposit
3.Withdraw
4.Balance
5.Exit
Enter your choice :
```