Write a program to read a character until a **\*** is encountered. Also count the number of uppercase, lowercase, and numbers entered by the users.

CODE:

import java.util.\*;

public class ReadLowerandUppercase

{

public static void main(String[] args)

{

try

{

Scanner input = new Scanner(System.in);

char ch = '0';

int up\_c =0;

int lo\_c = 0,num\_c=0;

while (ch != '\*')

{

System.out.print("enter the character:- ");

ch = input.next().charAt(0);

if(Character.isUpperCase(ch))

{

up\_c++;

}

else if(Character.isLowerCase(ch))

{

lo\_c++;

}

else if(Character.isDigit(ch))

{

num\_c++;

}

}

if(up\_c==0 &&lo\_c==0 &&num\_c==0)

{

System.out.println("invalid input");

}

else

{

System.out.println("the no.of.uppercase is "+up\_c);

System.out.println("the no.of.lowercase is "+(lo\_c));

System.out.println("the no.of.numbers is "+num\_c);

}

}

catch(Exception e){

System.out.println("invalid input");

}

}

}

OUTPUT:

C:\javap>javac ReadLowerandUppercase.java

C:\javap>java ReadLowerandUppercase

enter the character:- 5

enter the character:- @

enter the character:- e

enter the character:- ^

enter the character:- g

enter the character:- X

enter the character:- a

enter the character:- W

enter the character:- w

enter the character:- \*

the no.of.uppercase is 2

the no.of.lowercase is 4

the no.of.numbers is 1

