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.Scanner;

public class CharacterCounter {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int uppercaseCount = 0;

int lowercaseCount = 0;

int digitCount = 0;

System.out.println("Enter characters (enter \* to stop):");

while (true) {

char ch = scanner.next().charAt(0);

if (ch == '\*') {

break; // Stop taking input if \* is entered

}

if (Character.isUpperCase(ch)) {

uppercaseCount++;

} else if (Character.isLowerCase(ch)) {

lowercaseCount++;

} else if (Character.isDigit(ch)) {

digitCount++;

}

}

System.out.println("Number of uppercase letters: " + uppercaseCount);

System.out.println("Number of lowercase letters: " + lowercaseCount);

System.out.println("Number of digits: " + digitCount);

}

}

OUTPUT:

C:\javap>javac CharacterCounter.java

C:\javap>java CharacterCounter

Enter characters (enter \* to stop):

Aashrita

Likitha

Meenaz

Khushi

Abhi

Eswari

Ammu

Kalyan

\*

Number of uppercase letters: 8

Number of lowercase letters: 0

Number of digits: 0

