1. ***String Program***

import java.util.\*;

public class StringExample

{

public static void main(String args[])

{

String s1="java";

char ch[]={'s','t','r','i','n','g','s'};

String s2=new String(ch);

String s3=new String("example");

String name;

Scanner sc =new Scanner(System.in);

System.out.println("Enter name");

name=sc.next();

System.out.println(s1);

System.out.println(s2);

System.out.println(s3);

System.out.println(name);

}

}

***Output:***

Enter name

gita

java

strings

example

gita

1. ***Print all character from given string***

import java.util.\*;

public class Main

{

public static void main(String args[])

{

String str ;

Scanner sc=new Scanner(System.in);

System.out.println("Enter string");

str=sc.next();

for (int i=0; i<str.length(); i++)

{

System.out.println("Char at "+i+" place "+str.charAt(i));

}

}

}

***Output:***

Enter string

minal

Char at 0 place m

Char at 1 place i

Char at 2 place n

Char at 3 place a

Char at 4 place l

1. ***Print all even position character from given string***

import java.util.\*;

public class Main

{

public static void main(String args[])

{

String str ;

Scanner sc=new Scanner(System.in);

System.out.println("Enter string");

str=sc.next();//dynamic

System.out.println("even position:");

for (int i=1; i<str.length(); i=i+2)

{

System.out.println("Char at "+i+" place "+str.charAt(i));

}

System.out.println("odd position:");

for (int i=0; i<str.length(); i=i+2)

{

System.out.println("Char at "+i+" place "+str.charAt(i));

}

}

}

***Output:***

Enter string

nitya

even position:

Char at 1 place i

Char at 3 place y

odd position:

Char at 0 place n

Char at 2 place t

Char at 4 place a

1. ***count total no of vowels from given string***

import java.util.\*;

public class Main

{

public static void main(String args[])

{

String str ;

Scanner sc=new Scanner(System.in);

System.out.println("Enter string");

str=sc.nextLine();

int count = 0;

for (int i=0; i<=str.length()-1; i++)

{

char ch=str.charAt(i);

if(ch =='a'|| ch == 'A'|| ch=='e'||ch =='i'|| ch == 'I'|| ch=='o'||ch =='O'|| ch == 'u'|| ch=='U')

{

count++;

}

}

System.out.println("Total no of vowels are: "+count);

}

}

***Output:***

Enter string

vaishnavi

Total no of vowels are: 4

1. ***count total no of digits from given string***

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter a string: ");

String str = scanner.nextLine();

int count = 0;

for (int i = 0; i < str.length(); i++) {

char ch = str.charAt(i);

if (ch >= '0' && ch <= '9') {

count++;

}

}

System.out.println("Total number of digits: " + count);

}

}

***Output:***

Enter a string: va7iahnavi100

Total number of digits: 4

1. ***Convert lowercase character into uppercase & viceversa***

import java.util.\*;

public class Main

{

public static void main(String args[])

{

String str ; char ch;

Scanner sc=new Scanner(System.in);

System.out.println("Enter string");

str=sc.nextLine();

for (int i=0; i<=str.length()-1; i++)

{

ch=str.charAt(i);

if(ch >='A'&& ch <= 'Z')

{

ch =(char) (ch+32);

System.out.print(""+ch);

}

else if(ch >='a'&& ch <= 'z')

{

ch =(char) (ch-32);

System.out.print(""+ch);

}

}

}

}

***Output:***

Enter string

ganapati bappa

GANAPATIBAPPA

***7. accept email from user check whether it is valid or not(@ .)***

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter an email: ");

String email = scanner.nextLine();

if (email.contains("@") && email.contains(".")) {

System.out.println("Valid email");

} else {

System.out.println("Invalid email");

}

}

}

***Output:***

Enter an email: shivani12@gmail.com

Valid email

***8.java program to count no of samll alphabtes ,capital,digits & special characters***

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter a string: ");

String str = scanner.nextLine();

int small = 0, capital = 0, digit = 0, special = 0;

for (int i = 0; i < str.length(); i++) {

char ch = str.charAt(i);

if (Character.isLowerCase(ch)) {

small++;

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

capital++;

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

digit++;

} else {

special++;

}

}

System.out.println("Small Alphabets: " + small);

System.out.println("Capital Letters: " + capital);

System.out.println("Digits: " + digit);

System.out.println("Special Characters: " + special);

}

}

***Output:***

Enter a string: Vai89sh&n@vi29

Small Alphabets: 7

Capital Letters: 1

Digits: 4

Special Characters: 2

***9.java program for replace space with \*.***

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter a string: ");

String str = scanner.nextLine();

char[] charArray = str.toCharArray();

for (int i = 0; i <= charArray.length - 1; i++) {

char ch = charArray[i];

if (ch == ' ') {

charArray[i] = '\*';

}

}

String newStr = new String(charArray);

System.out.println("String with spaces replaced: " + newStr);

}

}

***Output:***

Enter a string: ganpati bappa

String with spaces replaced: ganpati\*bappa

***10.compareTwo string value***

import java.util.\*;

public class Main

{

public static void main(String args[])

{

String str ;

Scanner sc=new Scanner(System.in);

System.out.println("Enter 2 string");

String s1=sc.nextLine();

String s2=sc.nextLine();

if(s1.compareTo(s2)==0)

System.out.println("both are equlas");

else if(s1.compareTo(s2)>0)

System.out.println(s1+"greater than "+s2);

else

System.out.println("s2 > s1");

}

}

***Output:***

Enter 2 string

shivani

sakshi

shivanigreater than sakshi