JAVA PROGRAMS

1. WAP to take 3 sides for a tringle and display its type (invalid, equilateral, right-angles, isoceles, not special) Triangle 1

import java.util.\*;

class Tri

{

public static void main(String[] arg)

{

Scanner sc= new Scanner(System.in);

System.out.println("Enter the value of 3 sides ");

double a=sc.nextDouble();

double b=sc.nextDouble();

double c=sc.nextDouble();

double m= Math.max(a,b);

m=Math.max(m,c);

if(m==a)

{

a=c;

c=m;

}

if (m==b)

{

b=c;

c=m;

}

if (a+b<=c)

System.out.println("invalid");

else

{

if(a==b && b==c)

System.out.println("Equilateral");

else if(a==b || b==c || c==a)

{

if(((a\*a)+(b\*b))==(c\*c))

System.out.println("right-angled");

else

System.out.println("isoceles");

}

else if (((a\*a)+(b\*b))==(c\*c))

System.out.println("right-angled");

else

System.out.println("not special");

}

}

}

2. WAP to count the number of words entered by the user. (Word Count 1)

import java.util.\*;

class Word

{

public static void main(String[] arg)

{

Scanner sc= new Scanner(System.in);

System.out.println("Enter the paragraph");

String c=sc.next();

int i=1;

while (sc.hasNext())

//there is no EOF concept in Java, so this method should be used.

{

c=sc.next();

i++;

}

System.out.println("The total word count = "+i);

}

}

//to stop entering input in the command prompt press Ctrl+Z

3. WAP to display all the missing characters from a given string. (Missing Letters 1)

import java.util.\*;

class Alpha

{

public static void main(String[] arg)

{

Scanner sc= new Scanner(System.in);

String c=sc.nextLine();

String s,S;

char A=65, a=97;

int i=1, j=0;

while (i<=26)

{

S=""+A;

s=""+a;

if (c.contains(s) || c.contains(S))

{

a++;

A++;

}

else

{

j++;

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

a++;

A++;

}

i++;

}

if (j==0)

System.out.print("No alphabet is missing.");

}

}