TEST – 2 ( Praveen – Java )

1. Calculate the no. of vowels and consonants in string?

package test2;

import java.util.Scanner;

public class vowel {

public static void main(String[ ] args) {

Scanner obj=new Scanner(System.in);

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

String input=obj.nextLine();

input=input.toLowerCase();

int vowelCount=0;

int consonantCount=0;

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

char ch=input.charAt(i);

if(ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u') {

vowelCount++;

}

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

consonantCount++;

}

}

System.out.println("Number of Vowels: " + vowelCount);

System.out.println("Number of Consonants " + consonantCount);

}

}

1. Swapping the values without 3rd temp variable?

package test2;

public class swap {

public static void main(String[] args) {

int a = 15;

int b = 10;

a = a+b;

b = a-b;

a = a-b;

System.out.println("Swapping the Values: ");

System.out.println("a = "+ a);

System.out.println("b = "+ b);

}

}

1. Find the letters count in given sentence?

package test2;

import java.util.Scanner;

public class numberofletters {

public static void main(String[] args) {

Scanner obj=new Scanner(System.in);

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

String sentence=obj.nextLine();

int numberofletters = 0;

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

char ch=sentence.charAt(i);

if ((ch>='a'&& ch<='z')||(ch>='A'&& ch<='Z')) {

numberofletters++;

}

}

System.out.println("The number of letters in the setence: " + numberofletters);

}

}

1. Find the count of word in a given sentence

package test2;

import java.util.Scanner;

public class wordCount {

public static void main(String[] args) {

Scanner obj = new Scanner(System.in);

System.out.println("Enter a sentence:");

String sentence = obj.nextLine();

String[] words = sentence.trim().split("\\s+");

int wordCount = words.length;

System.out.println("The number of words in the given sentence is: " + wordCount);

}

}

1. Find the number is prime or not?