1. Write a Java program to sort a numeric array and a string array.

import java.util.Scanner;

public class main {

public static void main(String args[]){

System.out.println("Enter the total number inside the array: ");

Scanner sc = new Scanner(System.in);

int input = sc.nextInt();

int[] num = new int[input];

int i =0;

while(input>0) {

System.out.print("Enter the number: ");

num[i] = sc.nextInt();

i++;

input--;

}

System.out.print("Before sorting: ");

for(int var: num) {

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

}

System.out.println();

System.out.print("After sorting: ");

for(int j=0; j<num.length;++j) {

for(int k=j+1;k<num.length;++k) {

//swapping

int temp = 0;

if(num[j]>num[k]) {

temp =num[j];

num[j]=num[k];

num[k]=temp;

}

}

}

for(int t: num) {

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

}

}

}

1. Write a Java program to sum values of an array.

import java.util.Scanner;

public class main {

public static void main(String args[]){

System.out.println("Enter the total number inside the array: ");

Scanner sc = new Scanner(System.in);

int input = sc.nextInt();

int[] num = new int[input];

int i =0;

while(input>0) {

System.out.print("Enter the number: ");

num[i] = sc.nextInt();

i++;

input--;

}

int sum=0;

for(int j = 0; j<num.length;j++)

{

sum=num[j]+sum;

}

System.out.println("Total sum is: "+ sum);

}

}

1. Write a Java program to calculate the average value of array elements.

import java.util.Scanner;

public class main {

public static void main(String args[]){

System.out.println("Enter the total number inside the array: ");

Scanner sc = new Scanner(System.in);

int input = sc.nextInt();

int[] num = new int[input];

int i =0;

while(input>0) {

System.out.print("Enter the number: ");

num[i] = sc.nextInt();

i++;

input--;

}

int sum=0;

for(int j = 0; j<num.length;j++)

{

sum=num[j]+sum;

}

double avg = sum/num.length;

System.out.println("Average is: "+ avg);

}

}

1. Write a Java program to test if an array contains a specific value

import java.util.Scanner;

public class main {

public static void main(String args[]){

System.out.println("Enter the total number inside the array: ");

Scanner sc = new Scanner(System.in);

int input = sc.nextInt();

int[] num = new int[input];

int i =0;

while(input>0) {

System.out.print("Enter the number: ");

num[i] = sc.nextInt();

i++;

input--;

}

System.out.println("Enter the number you want to check");

int check = sc.nextInt();

int count=0;

for(int j = 0; j<num.length;j++)

{

if (check == num[j]) {

System.out.println("The number is in the array");

count++;

break;

}

}

if(count==0)

{

System.out.println("The number is not in the array");

}

}

}