

**Faculty of Technology**

University of Sri Jayewardenepura

**Discussion Topics**

**Fundamentals of Multimedia**

**ICT 2342**

Lecturer

**Miss. Nirasha**

**Name:** Dharmakeerthi MPBM

**Index No:** ICT/20/832

**Date:** 18-11-2022

1

\*using logic

using System;

namespace lab3

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("\n\t \*\* Print Min and Max of a given Array \*\*\n");

int[] samplearray = { 23, 45, 67, 80, 97, 65, 42, 18, 97, 63, 39, 52 };

Console.WriteLine("\n\* Array :- {0} ",String.Join(",", samplearray));

int min = samplearray[0], max = samplearray[0];

for (int i = 0; i < samplearray.Length; i++)

{

if (min > samplearray[i])

{

min = samplearray[i];

}

else if (max < samplearray[i])

{

max = samplearray[i];

}

}

Console.WriteLine("\n\* Maximum value of the Array :- {0}\n\* Minimum value of the Array :- {1}", max, min);

Console.ReadKey();

}

}

}

\*using Libraries

using System;

namespace lab3

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("\n\t \*\* Print Min and Max of a given Array \*\*\n");

int[] samplearray = { 23, 45, 67, 80, 97, 65, 42, 18, 97, 63, 39, 52 };

Console.WriteLine("\n\* Array :- {0} ",String.Join(",", samplearray));

Console.WriteLine("\n\* Maximum value of the Array :- {0}\n\* Minimum value of the Array :- {1}",samplearray.Max() , samplearray.Min());

Console.ReadKey();

}

}

}

2.

\*using logic

using System;

namespace lab3

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("\n\t \*\* Print Sum and Average of a given Array \*\*\n");

int[] samplearray = { 23, 45, 67, 80, 97, 65, 42, 18, 97, 63, 39, 52 };

Console.WriteLine("\n\* Array :- {0}", String.Join(",", samplearray));

double Sum=0, Ave;

for(int i=0; i < samplearray.Length; i++)

{

Sum += samplearray[i];

}

Ave=Sum/(samplearray.Length)-1 ;

Console.WriteLine("\n\* Sum of the Array :- {0:f2} \n\* Average of the Array :- {1:f2}",Sum , Ave);

Console.ReadKey();

}

}

}

Using libraries

using System;

namespace lab3

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("\n\t \*\* Print Sum and Average of a given Array \*\*\n");

int[] samplearray = { 23, 45, 67, 80, 97, 65, 42, 18, 97, 63, 39, 52 };

Console.WriteLine("\n\* Array :- {0}", String.Join(",", samplearray));

double ave = Queryable.Average(samplearray.AsQueryable());

//double Sum=0, Ave;

Console.WriteLine("\n\* Sum of the Array :- {0:f2} \n\* Average of the Arr :- {1:f2}", samplearray.Sum(), Queryable.Average(samplearray.AsQueryable()));

Console.ReadKey();

}

}

}

3.

class Program

{

static void Main(string[] args)

{

int[] arr = { 12, 54, 69, 41, 3, 99, 11, 27 };

Array.Sort(arr);

Console.WriteLine("The second largest number of the array: " + arr[1]);

}

}

4.

static void Main(string[] args)

{

int[] arr = { 12, 54, 69, 41, 3, 99, 11, 27 };

Console.Write("Odd numbers in the array: ");

for (int i = 0; i < arr.Length; i++)

{

if (arr[i] % 2 == 1)

Console.Write(arr[i] + "\t");

}

}

5.

static void Main(string[] args)

{

int[] arr = { 12, 54, 69, 41, 3, 99, 11, 27 };

int[] b = new int[arr.Length];

int index, place;

int length = arr.Length;

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

{

index = i - 1;

place = length + index;

if (index >= 0)

{

b[index] = arr[i];

}

else

{

b[place] = arr[i];

}

}

foreach (int i in b)

Console.Write("{0}\t", i.ToString());

}

6. static void Main(string[] args)

{

string[] arr = { "Methmi", "Sugandika", "Gayathma", "Dinushika", "Chathu", "Paba", "Sheshani", "Saneeka" };

string longestWord = arr[0];

int[] lenghtArray = new int[arr.Length];

foreach (string word in arr)

{

if (word.Length > longestWord.Length) longestWord = word;

}

Console.WriteLine("The longest word of the array: " + longestWord);

}

7.

class Employee

{

string name, address;

int age;

public Employee(string message)

{

Console.WriteLine(message);

}

public Employee(string name, int age, string address)

{

this.name = name;

this.age = age;

this.address = address;

}

}

class Program

{

static void Main(string[] args)

{

Employee adminTeam = new Employee("We belong to Administration");

Employee marketingTeam = new Employee("We belong to Marketing");

}

}

8.

string CustName,Address;

int CustOrder;

public Customer(string CustName,string Address,int CustOrder)

{

this.CustName = CustName;

this.Address = Address;

this.CustOrder = CustOrder;

}

public static void Main()

{

Customer Customer1 = new;

Customer1.CustName = "Methmi";

Customer1.Address = "50,Mahavita,Yakkala";

Customer1.CustOrder = 11025;

}

9.

class Vehicle

{

public string brandName, model, colour;

public void driveFast()

{

Console.WriteLine("Vehicle is driving fast");

}

public void applyBreak()

{

Console.WriteLine("Vehicle is breaking");

}

}

10.

class Animal

{

public string name, breed, age;

public void run()

{

Console.WriteLine("Animal is running");

}

}

class Dog : Animal

{

public void bark()

{

Console.WriteLine("Dog is barking");

}

}