**Lab - 2023.06.27**

(1)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_1NEW

{

internal class Program

{

static void Main(string[] args)

{

int[] num = new int[10];

int sum = 0;

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

{

Console.Write("Enter value : ");

num[i] = int.Parse(Console.ReadLine());

}

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

{

sum = sum + num[i];

}

Console.WriteLine(sum);

Console.ReadKey();

}

}

}

(2)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_2

{

internal class Program

{

static void Main(string[] args)

{

int[] num = {122, 23, 45, 67, 89, 234, 567};

int smallest = num[0];

int biggest = num[0];

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

{

if(smallest > num[i])

{

smallest = num[i];

}

if(biggest < num[i])

{

biggest = num[i];

}

}

Console.WriteLine("Smallest : " + smallest);

Console.WriteLine("Biggest : " + biggest);

Console.ReadKey();

}

}

}

(3)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_3

{

internal class Program

{

static void Main(string[] args)

{

int[] num = { 122, 23, 45, 67, 89, 234, 567 };

int temp;

for(int i=0; i<num.Length-1; i++)

{

for(int j=i+1;j<num.Length;j++)

{

if (num[i] > num[j])

{

temp = num[i];

num[i] = num[j];

num[j] = temp;

}

}

}

Console.WriteLine("Array sorted in ascending order:");

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

{

Console.Write(num[i]+" ");

}

Console.WriteLine();

for(int i=0;i<num.Length - 1 ; i++)

{

for(int j=i+1; j<num.Length; j++)

{

if (num[i] < num[j])

{

temp = num[i];

num[i] = num[j];

num[j] = temp;

}

}

}

Console.WriteLine("Array sorted in descending order:");

for(int i=0;i < num.Length - 1 ; i++)

{

Console.Write(num[i] + " ");

}

Console.WriteLine();

Console.ReadKey();

}

}

}

(4)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Xml.Schema;

namespace Q\_4

{

internal class Program

{

static void Main(string[] args)

{

int[,] num = { {10, 20},{23, 43} };

int min = num[0, 0];

int max = num[0, 0];

for(int i = 0;i<2;i++)

{

for(int j = 0;j<2;j++)

{

if (num[i,j] < min)

{

min = num[i,j];

}

if (num[i,j] > max)

{

max = num[i,j];

}

}

}

Console.WriteLine("Minimum value : " + min);

Console.WriteLine("Maximum value : " + max);

Console.ReadKey();

}

}

}