using System;

namespace \_3\_2

{

    class Program

    {

        static void Main(string[] args)

        {

            int[] myArray = new int[10];

            Console.WriteLine("请输入十个数");

            for (int i = 0; i < 10; i++)

            {

                myArray[i] = Convert.ToInt32(Console.ReadLine());

            }

            Array.Sort(myArray);

            Console.WriteLine("最大的数为" + myArray[9].ToString());

            Console.WriteLine("最小的数为" + myArray[0].ToString());

            Console.ReadKey();

        }

    }

}

4. static void Main(string[] args)

{

int max = int.MinValue;//最大值

int min = int.MaxValue;//最小值

int count = 0, input = 0;

int len = 10;//输入总数

while (count < len)

{

Console.Write("请输入第" + (count + 1) + "个数:");

if (int.TryParse(Console.ReadLine(), out input))//输入有效

{

count++;

if (input > max) max = input;//最大值

if (input < min) min = input;//最小

sum += input;//总和

}

else Console.WriteLine("输入有误重新输入");

}

Console.WriteLine(string.Format("最大值为{0},最小为{1} ", max, min));

Console.ReadKey();

}

}

7. class Program

{

static void Main(string[] args)

{

int[] a = new int[5] { 1, 2, 3, 4, 5 };

Console.WriteLine("a.Max()=" + a.Max());

Console.WriteLine("a.Min()=" + a.Min());

Console.WriteLine("a.Average()=" + a.Average());

Console.WriteLine("a.Sum()=" + a.Sum());

Console.WriteLine("\nPress any key to quit.");

Console.ReadKey();

}

}

8. class Program

{

static void Main(string[] args)

{

Console.WriteLine("定义参与的人数： ");

String peoples = Console.ReadLine();

Console.WriteLine("定义规定的数字：");

String numbers = Console.ReadLine();

int nbs = Convert.ToInt32(numbers);

Queue<int> pes = new Queue<int>();

for (int i = 1; i <= Convert.ToInt32(peoples); i++) pes.Enqueue(i);

Console.WriteLine("约瑟夫环开始了");

int flag = 1;

while (pes.Count >= 2)

{

if (flag == nbs)

{

Console.WriteLine("出队：" + pes.Dequeue());

flag = 1;

}

else

{

pes.Enqueue(pes.Dequeue());

flag++;

}

}

Console.WriteLine("约瑟夫环结束，最后出队的是：" + pes.Dequeue());

Console.WriteLine("\nPress any key to quit.");

Console.ReadKey();

}

}