# 2.1

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace work

{

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();

}

}

}

# 2.2

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace work

{

class Program

{

static void Main(string[] args)

{

int m;

while (true)

{

Console.WriteLine("请输入月份：");

m = Convert.ToInt32(Console.ReadLine());

if (0 < m&& m < 13) { break; }

Console.WriteLine("请重新输入:");

}

switch (m)

{

case 1: Console.WriteLine("31"); break;

case 2: Console.WriteLine("28"); break;

case 3: Console.WriteLine("31"); break;

case 4: Console.WriteLine("30"); break;

case 5: Console.WriteLine("31"); break;

case 6: Console.WriteLine("30"); break;

case 7: Console.WriteLine("31"); break;

case 8: Console.WriteLine("31"); break;

case 9: Console.WriteLine("30"); break;

case 10: Console.WriteLine("31"); break;

case 11: Console.WriteLine("30"); break;

case 12: Console.WriteLine("31"); break;

}

Console.ReadKey();

}

}

}

# 2.3

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace work

{

class Program

{

static void Main(string[] args)

{

int[] a = new int[5] { 1, 9, 8, 7, 5 };

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

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

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

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

Console.ReadKey();

}

}

}

# 2.4

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace work

{

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();

}

}

}

# 2.5

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();

}

# 2.6

Console.WriteLine("输入一个月份:");

int year = int.Parse(Console.ReadLine());

string month = Console.ReadLine();

switch (month)

{

case "1":

case "3":

case "5":

case "7":

case "8":

case "10":

case "12":

Console.WriteLine("31天");

break;

case "4":

case "6":

case "9":

case "11":

Console.WriteLine("是30天");

break;

case "2":

if (year % 400 == 0 || year % 4 == 0 && year % 100 != 0)

{

Console.WriteLine("29天");

}

else

{

Console.WriteLine("28天");

}

break;

default:

Console.WriteLine("错误");

break;

}

# 2.7

class Test{

public void t1(int[] num){

int max=0;

int min=0;

int sum=0;

double v=0;

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

if(num[i]<min){

min = num[i];

}

if(num[i]>max){

max = num[i];

}

sum += num[i];

}

v = sum/num.length();

System.out.println("最大值为:"+max+"最小值为:"+min+"平均值为:"+v+"元素和为:"+sum);

}

}

# 2.8

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Collections;

namespace 学生团团坐

{

class Program

{

static void Main(string[] args)

{

while (true)

{

Console.WriteLine("请输入学生的人数，开始序号，间隔的人数");

int n = Convert.ToInt16(Console.ReadLine());

int s = Convert.ToInt16(Console.ReadLine());

ArrayList list = new ArrayList();

int m = Convert.ToInt16(Console.ReadLine());

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

{

list.Add(i + 1);

}

int t;

s--;

for (int i = n - 1; i > 0; i--)

{

t = s + m - 1;

s = t % i;

if (s == 0)

s = i;

if (t > i)

{

s--;

}

Console.Write(list[s] + " ");

list.RemoveAt(s);

}

Console.Write(list[0]);

Console.WriteLine();

}

}

}

}