**第二章课后习题**

**P77-78**

**三．编程题**

**2.**

static void Main(string[] args)

{    int max = int.MinValue;

    int min = int.MaxValue;

    int count = 0, input = 0;

    int len=10;

    while (count < len)

    {

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

        if (int.TryParse(Console.ReadLine(), out input))

        {

            count++;

            if (input > max) max = input;

            if (input < min) min = input;

            sum += input;

        }

        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();

}

**4.**

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;  
}

**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);  
}  
}

**8.**

using System;

using System.Collections.Generic;

namespace \_3\_2

{

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>();

//最先入队的在对头(最先出队),最后入队的在队尾

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)

{

//留下最后一个

if (flag == nbs)

{

//报到对应的数字，该人出队，且下个人从1开始报数

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();

}

}

}