namespace TestCalculator

{

class Program

{

private static int number1;

private static int number2;

private static string str1;

private static string str2;

private static string str;

private static string string1;

private static CalculationMethod cm;

static void Main(string[] args)

{

while (true)

{

cm = new CalculationMethod();

Console.Write("请输入算数运算符：\n");

str = Console.ReadLine();

if(str == "+")

{

Console.WriteLine("1、整数加法运算");

Console.WriteLine("2、字符串连接运算");

Console.Write("请选择1 or 2：");

int num1 = int.Parse(Console.ReadLine());

if(num1 == 1)

{

input1();

Equals(number1, number2);

Calculation();

}

else

{

input2();

string1 = str1 + str2;

Console.WriteLine("连接结果为：" + string1);

}

}

if (str == "-")

{

Console.WriteLine("1、整数减法运算");

Console.WriteLine("2、删除指定字符串");

Console.Write("请选择1 or 2：");

int num2 = int.Parse(Console.ReadLine());

if (num2 == 1)

{

input1();

Equals(number1, number2);

Calculation();

}

else

{

input2();

int i = str1.IndexOf(str2);

string s = str1.Remove(i, str2.Length);

Console.WriteLine("删除指定字符串后的结果为：" + s);

}

}

if(str == "\*")

{

input1();

Equals(number1, number2);

Calculation();

}

if (str == "/")

{

input1();

Equals(number1, number2);

Calculation();

}

Console.Write("\n");

Console.Write("按Q键退出，按其他键继续 ");

if (Console.ReadKey().KeyChar == 'Q')

break;

else

Console.Clear();

}

Console.Read();

}

public static void Equals(int num1, int num2)

{

if (num1 == num2)

Console.Write("输入的两个整数相等\n");

else

Console.Write("输入的两个整数不相等\n");

}

public static void input1()

{

Console.Write("请输入两个整数：\n");

Console.Write("第一个整数：");

number1 = int.Parse(Console.ReadLine());

Console.Write("第二个整数：");

number2 = int.Parse(Console.ReadLine());

}

public static void input2()

{

Console.Write("请输入两个字符串：\n");

Console.Write("第一个字符串：");

str1 = Console.ReadLine();

Console.Write("第二个字符串：");

str2 = Console.ReadLine();

}

public static void Calculation()

{

switch (str)

{

case "+":

Console.Write("运算结果为：" + cm.Add(number1, number2));

break;

case "-":

Console.Write("运算结果为：" + cm.Subtraction(number1, number2));

break;

case "\*":

Console.Write("运算结果为：" + cm.Multiplication(number1, number2));

break;

case "/":

Console.Write("运算结果为：" + cm.Division(number1, number2));

break;

}

}

}

}