using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.IO;

namespace progress2

{ public class Problem

{ public int a, b, c, d, n, sum;

char[] s = { '+', '-', '\*', '/' };

public Problem(int n) { }

public void Print()

{

Random random = new Random();

Console.WriteLine("请输入四则运算题目个数：");

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

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

{

// char s1 = s[t];

int t = random.Next(1, 9);

//char s2 = s[t];

a = random.Next(1, 100); //生成1-100之间的随机数

b = random.Next(1, 100);

c = random.Next(1, 100);

d = random.Next(1, 100);

if (t == 1)

{

sum = a + b + c;

Console.WriteLine(a + "+" + b + "+" + c + "=" + sum);

}

else if (t == 2)

{

c = random.Next(1, a + b);

for (; a + b - c < 0;)

c = random.Next(1, a + b);

sum = a + b - c;

Console.WriteLine(a + "+" + b + "-" + c + "=" + sum);

}

else if (t == 3)

{

sum = a + b \* c;

Console.WriteLine(a + "+" + b + "\*" + c + "=" + sum);

}

else if (t == 4)

{

for (; b % c != 0; c = random.Next(1, b))

c = random.Next(2, b);

sum = a + b / c;

Console.WriteLine(a + "+" + b + "/" + c + "=" + sum);

}

else if (t == 5)

{

for (; b % c != 0;)

c = random.Next(2, b);

sum = a \* d + b / c;

Console.WriteLine(a + "\*" + d + "+" + b + "/" + c + "=" + sum);

}

else if (t == 6)

{

for (; b % c != 0; c = random.Next(1, b))

d = random.Next(2, a);

sum = a + b / c - d;

Console.WriteLine(a + "+" + b + "/" + c + "-" + d + "=" + sum);

}

else if (t == 7)

{

for (; b % c != 0;)

c = random.Next(1, b);

sum = a + b / c \* d;

Console.WriteLine(a + "+" + b + "/" + c + "\*" + d + "=" + sum);

}

else if (t == 8)

{

sum = a \* b + c \* d;

Console.WriteLine(a + "\*" + b + "+" + c + "\*" + d + "=" + sum);

}

else if (t == 9)

{

for (; c % d != 0;)

d = random.Next(1, c);

sum = a \* b + c / d;

Console.WriteLine(a + "\*" + b + "+" + c + "/" + d + "=" + sum);

}

}

}

public void Writew()

{

string fileName = @"G:\软件工程\0201\Calculator\River-flows-in-you\\Temp.txt";

StreamWriter sa = new StreamWriter(fileName);

sa.WriteLine();

sa.Flush();

}

}

class Program

{

static void Main(string[] args)

{

Problem v = new Problem(1);

v.Print();

Console.Read();

}

}

}