using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Exam1

{

class Program

{

static void Main(string[] args)

{

double hrana = double.Parse(Console.ReadLine());

double suveniri = double.Parse(Console.ReadLine());

double hotel = double.Parse(Console.ReadLine());

double benzin = (double) 420 / 100 \* 7 \* 1.85;

double prestoy = 3 \* hrana + 3 \* suveniri;

double zaHotel = hotel \* 0.9 + hotel \* 0.85 + hotel \* 0.8;

double moneyNeeded = benzin + prestoy + zaHotel;

Console.WriteLine("Money needed: {0:f2}", moneyNeeded);

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Exam2

{

class Program

{

static void Main(string[] args)

{

var pol = char.Parse(Console.ReadLine());

double teglo = double.Parse(Console.ReadLine());

double visochina = double.Parse(Console.ReadLine());

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

var nivo = Console.ReadLine();

double bnm;

if (pol == 'm')

{

bnm = 66 + (13.7 \* teglo) + (5 \* visochina \* 100) - (6.8 \* vazrast);

}

else

{

bnm = 655 + (9.6 \* teglo) + (1.8 \* visochina \* 100) - (4.7 \* vazrast);

}

switch (nivo)

{

case "sedentary":

{

bnm = bnm \* 1.2;

break;

}

case "lightly active":

{

bnm = bnm \* 1.375;

break;

}

case "moderately active":

{

bnm = bnm \* 1.55;

break;

}

case "very active":

{

bnm = bnm \* 1.725;

break;

}

}

Console.WriteLine("To maintain your current weight you will need {0} calories per day.", Math.Ceiling(bnm));

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Exam3

{

class Program

{

static void Main(string[] args)

{

double suma = double.Parse(Console.ReadLine());

var pol = char.Parse(Console.ReadLine());

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

var sport = Console.ReadLine();

double money = 0;

if (pol == 'm')

{

switch (sport)

{

case "Gym":

{

money = 42;

break;

}

case "Boxing":

{

money = 41;

break;

}

case "Yoga":

{

money = 45;

break;

}

case "Zumba":

{

money = 34;

break;

}

case "Dances":

{

money = 51;

break;

}

case "Pilates":

{

money = 39;

break;

}

}

}

else

{

switch (sport)

{

case "Gym":

{

money = 35;

break;

}

case "Boxing":

{

money = 37;

break;

}

case "Yoga":

{

money = 42;

break;

}

case "Zumba":

{

money = 31;

break;

}

case "Dances":

{

money = 53;

break;

}

case "Pilates":

{

money = 37;

break;

}

}

}

if (age <= 19)

{

money = money \* 0.8;

}

if (suma >= money)

{

Console.WriteLine("You purchased a 1 month pass for {0}.", sport);

}

else

{

Console.WriteLine("You don't have enough money! You need ${0:f2} more.", money - suma);

}

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Exam4

{

class Program

{

static void Main(string[] args)

{

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

double kredit = 0;

double kraynaOcenka = 0;

for (var i = 1; i <= broyKursove; i++)

{

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

int ocenka = kreditOcenka % 10;

int krediti = kreditOcenka / 10;

kraynaOcenka = kraynaOcenka + ocenka;

switch (ocenka)

{

case 2:

{

kredit = kredit + krediti \* 0;

break;

}

case 3:

{

kredit = kredit + krediti \* 0.5;

break;

}

case 4:

{

kredit = kredit + krediti \* 0.7;

break;

}

case 5:

{

kredit = kredit + krediti \* 0.85;

break;

}

case 6:

{

kredit = kredit + krediti \* 1;

break;

}

}

}

Console.WriteLine("{0:f2}", kredit);

Console.WriteLine("{0:f2}", kraynaOcenka / broyKursove);

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Exam6

{

class Program

{

static void Main(string[] args)

{

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

bool flagg = false;

for (var a = 1; a <= 9; a++)

{

if (flagg == true) break;

else

for (var b = 9; b >= a; b--)

{

if (flagg == true) break;

else

{

for (var c = 0; c <= 9; c++)

{

if (flagg == true) break;

else

{

for (var d = 9; d >= c; d--)

{

if ((a + b + c + d == a \* b \* c \* d) && (n % 10 == 5))

{

flagg = true;

Console.WriteLine("{0}{1}{2}{3}", a, b, c, d);

break;

}

else if ((c != 0) && (a \* b \* c \* d / (a + b + c + d) == 3) && (n % 3 == 0))

{

flagg = true;

Console.WriteLine("{0}{1}{2}{3}", d, c, b, a);

break;

}

}

}

}

}

}

}

if (flagg == false) Console.WriteLine("Nothing found");

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Exam5

{

class Program

{

static void Main(string[] args)

{

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

for (var i = 1; i <= n; i++)

{

Console.WriteLine(new String('-', n + 2) + "\*\*" + new String('-', n + 2));

}

for (var i = 1; i <= n - 3; i++)

{

Console.WriteLine(new String('-', (n + 1)) + "\*\*\*\*" + new String('-', n + 1));

}

Console.WriteLine(new String('-', n) + "\*\*\*\*\*\*" + new String('-', n));

for (var i = 1; i <= n - 4; i++) Console.WriteLine(new String('-', n) + "\*\*--\*\*" + new String('-', n));

for (var i = 1; i <= n - 3; i++) Console.WriteLine(new String('-', n - 1) + "\*\*----\*\*" + new String('-', n - 1));

Console.WriteLine(new String('-', n - 2) + new String('\*', 10) + new String('-', n - 2));

int k = 0;

for (var j = n - 3; j >= 1; j--)

{

Console.WriteLine(new String('-', j) + "\*\*" + new String('-', 8 + k) + "\*\*" + new String('-', j));

k = k + 2;

}

Console.WriteLine(new String('\*', 3) + new string('-', 2 \* n) + new String('\*', 3));

}

}

}