```
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);
        }
    }
}
```

```
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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;
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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;
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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));

        }
    }
}
```