using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace CSharp290616\_E5

{

class Program

{

static void Main(string[] args)

{

int[, ,] m = new int[3, 3, 3];

int sum = 0;

int n = 1;

for(int x = 0; x < 3; x++)

for(int y = 0; y < 3; y++)

for(int z = 0; z < 3; z++)

m[x, y, z] = n++;

for (int x = 0; x < 3; x++)

{

for (int y = 0; y < 3; y++)

{

for (int z = 0; z < 3; z++)

{

Console.Write(m[x, y, z] + " ");

}

Console.WriteLine();

}

Console.WriteLine();

}

sum = m[0, 0, 0] + m[1, 1, 1] + m[2, 2, 2];

Console.WriteLine("Sum of First diagonal: " + sum);

Console.ReadLine();

}

}

}