1

namespace program1;  
  
public class program  
{  
 static void Main()  
 {  
 int[,] myArr = new int[10, 10];   
 int nums = 100;  
  
 for (int i = 0; i < 10; i++)  
 {  
 for (int j = 0; j < 10; j++)  
 {  
 myArr[i, j] = nums;  
 nums -= 3;   
 }  
 }  
   
 for (int i = 0; i < 10; i++)  
 {  
 for (int j = 0; j < 10; j++)  
 {  
 Console.Write(myArr[i, j] + " ");  
 }  
 Console.WriteLine();  
 }  
 }  
}

2

namespace program2;  
  
public class program  
{  
 static void Main()  
 {  
 int[,] myArr = new int[10, 10];  
 int num = 1;  
   
 for (int i = 0; i < 10; i++)  
 {  
 for (int j = 0; j < 10; j++)  
 {  
 myArr[i, j] = num;  
 num += 2;  
 }  
 }  
   
 for (int i = 0; i < 10; i++)  
 {  
 for (int j = 0; j < 10; j++)  
 {  
 Console.Write(myArr[i, j] + " ");  
 }  
 Console.WriteLine();  
 }  
 }  
}

3

namespace program3;  
  
public class program  
{  
 static void Main()  
 {  
 Console.Write("введите размерность матрицы: ");   
 int n = Convert.ToInt32(Console.ReadLine());  
 int[,] myArr = new int[n, n];   
   
 for (int i = 0; i < n; ++i)  
 {   
 myArr[0, i] = 1;  
 myArr[i, 0] = 1;   
 }  
 for (int i = 1; i < n; ++i)   
 {  
 for (int j = 1; j < n; ++j)   
 {  
 myArr[i, j] = myArr[i - 1, j] + myArr[i, j - 1];   
 }  
 }  
 for (int i = 0; i < n; ++i)   
 {  
 for (int j = 0; j < n; ++j)   
 {  
 Console.Write($"{myArr[i,j]} ");   
 }  
 Console.WriteLine();   
   
 }  
 }  
}

4

namespace program4;  
  
public class program  
{  
 static void Main()  
 {  
 int[,] temperature = new int[12, 30];  
 Random random = new Random();  
  
 for (int i = 0; i < 12; i++)  
 {  
 for (int j = 0; j < 30; j++)  
 {  
 temperature[i, j] = random.Next(-30, 31); *// Генерация случайной температуры в диапазоне [-30, 30]* }  
 }  
  
 int[] averageTemperatures = CalculateAverageTemperatures(temperature);  
  
 Array.Sort(averageTemperatures);  
  
 Console.WriteLine("Средняя температура для каждого месяца:");  
 for (int i = 0; i < 12; i++)  
 {  
 Console.WriteLine($"Месяц {i + 1}: {averageTemperatures[i]}");  
 }  
 }  
  
 static int[] CalculateAverageTemperatures(int[,] temperature)  
 {  
 int[] averageTemperatures = new int[12];  
  
 for (int i = 0; i < 12; i++)  
 {  
 int sum = 0;  
 for (int j = 0; j < 30; j++)  
 {  
 sum += temperature[i, j];  
 }  
 averageTemperatures[i] = sum / 30;  
 }  
  
 return averageTemperatures;  
 }  
}