using System;

namespace Мищук\_Егор\_Практическая\_работа\_3

{

class Program

{

static void swap(int[,] arr)

{

Random rnd = new Random();

int[] first = new int[5];

int[] second = new int[5];

int[] third = new int[5];

int[] forth = new int[5];

int[] fifth = new int[5];

int[] rand = {0,1,2,3,4};

int temp;

for (int i = rand.Length - 1; i >= 1; i--)

{

int j = rnd.Next(i + 1);

temp = rand[j];

rand[j] = rand[i];

rand[i] = temp;

}

for (int i = 0; i < 5; i++)

{

first[i] = arr[0, i];

}

for (int j = 0; j < 5; j++)

{

second[j] = arr[1, j];

}

for (int t = 0; t < 5; t++)

{

third[t] = arr[2, t];

}

for (int y = 0; y < 5; y++)

{

forth[y] = arr[3, y];

}

for (int u = 0; u < 5; u++)

{

fifth[u] = arr[4, u];

}

for (int i = 0; i < 5; i++)

{

arr[rand[0], i] = first[i];

}

for (int j = 0; j < 5; j++)

{

arr[rand[1], j] = second[j];

}

for (int t = 0; t < 5; t++)

{

arr[rand[2], t] = third[t];

}

for (int y = 0; y < 5; y++)

{

arr[rand[3], y] = forth[y];

}

for (int u = 0; u < 5; u++)

{

arr[rand[4], u] = fifth[u];

}

Console.WriteLine("Вывод изменённой матрицы на экран");

for (int q = 0; q < 5; q++)

{

for (int w = 0; w < 5; w++)

{

Console.Write(arr[q, w] + " ");

}

Console.WriteLine();

}

}

static void Main(string[] args)

{

Random rnd = new Random();

int[,] arr = new int[5, 5];

for (int i = 0; i < 5; i++)

{

for (int j = 0; j < 5; j++)

{

arr[i, j] = rnd.Next(1, 10);

}

}

Console.WriteLine("Вывод всей матрицы на экран");

for (int q = 0; q < 5; q++)

{

for (int w = 0; w < 5; w++)

{

Console.Write(arr[q, w] + " ");

}

Console.WriteLine();

}

swap(arr);

}

}

}