

Darnnel Gonzalez

Carne:1280022

LAB13

Codigo

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace L13_DG_1280022
{
    class MATRIZ
    {
        static void Main(string[] args)
        {
            int A = 0;
            int B = 0;
            int C = 0;
            Random numeroRandom = new Random();
            int[,] SUM = new int[5, 5];
            int[,] MULT = new int[10, 10];
            Ciclo:
            Console.WriteLine("OPCIONES: " +
                "\nA. Llenar Matriz" +
                "\n-----" +
                "\nB. Suma de la Matriz" +
                "\n-----" +
                "\nC. Tablas de Multiplicar");
            string Op;
            Op = Console.ReadLine();

            switch (Op)
            {
                case "A":
                    Console.WriteLine("Resultado Inciso A");
                    for (A = 0; A < 5; A++)
                    {
                        for (B = 0; B < 5; B++)
                        {
                            SUM[A, B] = numeroRandom.Next(150);
                        }
                    }
                }
            }
        }
    }
}
```

```

        }
        Console.WriteLine(SUM[A, 0] + ", " + SUM[A, 1] + ", " + SUM[A, 2] + ", " +
SUM[A, 3] + ", " + SUM[A, 4]);
    }goto Ciclo;
case "B":
    for (A = 1; A < 5; A++)
    {
        for (B = 1; B < 5; B++)
        {
            C = C + SUM[A, B];
        }
    }

    Console.WriteLine();
    Console.WriteLine("Total Suma:" + C);
    Console.ReadLine();
    goto Ciclo;
case "C":

    for (A = 0; A < 10; A++)
    {
        for (B = 0; B < 10; B++)
        {
            MULT[A, B] = (A + 1) * (B + 1);

        }
        Console.WriteLine(MULT[A, 0] + ", " + MULT[A, 1] + ", " + MULT[A, 2] + ", " +
MULT[A, 3] + ", " + MULT[A, 4] + ", " + MULT[A, 5] + ", " + MULT[A, 6] + ", " + MULT[A, 7] +
", " + MULT[A, 8] + ", " + MULT[A, 9]);
    }
    goto Ciclo;

default:
    Console.WriteLine("Porfavor intentelo de nuevo, la opcion que a seleccionado no
existe");
    break;
}
Console.ReadKey();
}
}
}

```

Evidencia de funcionamiento

OPCIONES:

A. Llenar Matriz

B. Suma de la Matriz

C. Tablas de Multiplicar

A

Resultado Inciso A

72, 11, 138, 62, 108

100, 101, 47, 36, 62

85, 28, 142, 53, 143

131, 132, 146, 101, 20

3, 30, 141, 6, 42

OPCIONES:

A. Llenar Matriz

B. Suma de la Matriz

C. Tablas de Multiplicar

B

Total Suma:1230

OPCIONES:

A. Llenar Matriz

B. Suma de la Matriz

C. Tablas de Multiplicar

C

1, 2, 3, 4, 5, 6, 7, 8, 9, 10

2, 4, 6, 8, 10, 12, 14, 16, 18, 20

3, 6, 9, 12, 15, 18, 21, 24, 27, 30

4, 8, 12, 16, 20, 24, 28, 32, 36, 40

5, 10, 15, 20, 25, 30, 35, 40, 45, 50

6, 12, 18, 24, 30, 36, 42, 48, 54, 60

7, 14, 21, 28, 35, 42, 49, 56, 63, 70

8, 16, 24, 32, 40, 48, 56, 64, 72, 80

9, 18, 27, 36, 45, 54, 63, 72, 81, 90

10, 20, 30, 40, 50, 60, 70, 80, 90, 100

OPCIONES:

A. Llenar Matriz

B. Suma de la Matriz