using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace WindowsFormsApp6

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void button1\_Click(object sender, EventArgs e)

{

//ejemplo de uso

string c23 = "NOCHE";

List<string> j23 = new List<string> { "", "6/6", "EP", "" }; //datos de ejemplo

double p5 = 220; //valor de $P$5

double p6 = 440; //valor de $P$6

double resultado = CalcularHorasRequeridasPorTrimestre(c23, j23, p5, p6);

Console.WriteLine($"Resultado: {resultado}");

}

public static double CalcularHorasRequeridasPorTrimestre(string c23, List<string> j23, double p5, double p6)

{

//contar la cantidad de veces que aparece "EP"

int contarEP = j23.Count(x => x == "EP");

List<int> listaIndex = new List<int> { };

var indicesEP = j23.Select((value, index) => new { value, index }).Where(x => x.value == "EP")

.Select(x => x.index).ToList();

var indicesBlank = j23.Select((value, index) => new { value, index }).Where(x => x.value == string.Empty)

.Select(x => x.index).ToList();

//contar cantidad total de trimestres

int contartTotal = j23.Count();

//contar el numero de celdas vacias

int contarBlanco = j23.Count(x => string.IsNullOrEmpty(x));

//calcular el valor basado en la condicion de C23

double valor = contartTotal - (contarEP + contarBlanco);

if (c23 == "NOCHE")

{

return valor \* p5;

}

else

{

return valor \* p6;

}

}

}

}