



Universidad  
Tecnológica de Puebla

Tecnología de la  
información y  
Comunicación

Materia: Desarrollo de Aplicaciones

Código de Examen.

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## Código

### Clase

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace Mascotas
{
    class Costo
    {

```

```

    }
    public void CostoRadio(string color, int cantidad, string material, ref double total)
    {
        if (color == "Verde" && material == "plastico")/* frio */
            total = 17.9*cantidad;
        else
            if (color == "Amarillo" && material == "plastico") /* calido*/
                total = 17.5 * cantidad;
            else
                if (color == "Azul" && material == "plastico")/* frio */
                    total = 17.9 * cantidad;
                else
                    if (color == "Naranja" && material == "goma") /* calido*/
                        total = (11.5+12) * cantidad;
                    else
                        if (color == "Violeta" && material == "goma")/* frio */
                            total = (11.9+12) * cantidad;
                        else
                            if (color == "Rojo" && material == "goma") /* calido*/
                                total = (11.5+12) * cantidad;
                            else
                                if (color == "Verde" && material == "piel")/* frio */
                                    total = (11.9+16) * cantidad;
                                else
                                    if (color == "Amarillo" && material == "piel")/* calido*/
                                        total = (11.5+16) * cantidad;
                                    else
                                        if (color == "Azul" && material == "piel")/* frio */
                                            total = (11.9+16) * cantidad;
                                        else
                                            total = 0;
            }
    }
}

```

## Forms

Mascotas.Form1

```

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 Mascotas
{
    public partial class Form1 : Form
    {
        int indice = 0;
        double[] arre = new double[10];

        Costo f1 = new Costo();
    }
}

```

```
private void btnCalcularGlobal_Click(object sender, EventArgs e)
{
    double suma = 0;
    for (int k=0; k <= 9; k++)
    {
        listBox1.Items.Add(arre[k]);
        suma = suma + arre[k];
    }
    listBox1.Items.Clear();
    listBox1.Items.Add("Tu total global es: "+suma);
}

private void btnCalcularCostoF3_Click(object sender, EventArgs e)
{
    double total = 0;
    if (indice <= 10)
    {
        if (rdbColorVerdeF3.Checked == true && rdbmaterialplastico.Checked == true)
        {
            string color = "Verde";
            string material = "plastico";
            int cant = Convert.ToInt32(txtCantidadF3.Text);
            f1.CostoRadio(color, cant, material, ref total);
            lblTotalF3.Text = total.ToString();
        }
        else
            if (rdbColorCamarilloF3.Checked == true && rdbmaterialplastico.Checked == true)
            {
                string color = "Amarillo";
                string material = "plastico";
                int cant = Convert.ToInt32(txtCantidadF3.Text);
                f1.CostoRadio(color, cant, material, ref total);
                lblTotalF3.Text = total.ToString();
            }
            else
                if (rdbColorAzulF3.Checked == true && rdbmaterialplastico.Checked == true)
                {
                    string color = "Azul";
                    string material = "plastico";
                    int cant = Convert.ToInt32(txtCantidadF3.Text);
                    f1.CostoRadio(color, cant, material, ref total);
                    lblTotalF3.Text = total.ToString();
                }
                else
                    if (rdbColorNaranjaF3.Checked == true && rdbmaterialgoma.Checked == true)
                    {
                        string color = "Naranja";
                        string material = "goma";
                        int cant = Convert.ToInt32(txtCantidadF3.Text);
                        f1.CostoRadio(color, cant, material, ref total);
                        lblTotalF3.Text = total.ToString();
                    }
                    else
                        if (rdbColorVioleF3.Checked == true && rdbmaterialgoma.Checked == true)
                        {
                            string color = "Violeta";
                            string material = "goma";
                        }
                    }
            }
        }
    }
}
```

```

        int cant = Convert.ToInt32(txtCantidadF3.Text);
        f1.CostoRadio(color, cant, material, ref total);
        lblTotalF3.Text = total.ToString();
    }
    else
    {
        if (rdbColorRojoF3.Checked == true && rdbmaterialgoma.Checked == true)
        {
            string color = "Rojo";
            string material = "goma";
            int cant = Convert.ToInt32(txtCantidadF3.Text);
            f1.CostoRadio(color, cant, material, ref total);
            lblTotalF3.Text = total.ToString();
        }
        else
        {
            if (rdbColorVerdeF3.Checked == true && rdbmaterialpiel.Checked == true)
            {
                string color = "Verde";
                string material = "piel";
                int cant = Convert.ToInt32(txtCantidadF3.Text);
                f1.CostoRadio(color, cant, material, ref total);
                lblTotalF3.Text = total.ToString();
            }
            else
            {
                if (rdbColorCamarilloF3.Checked == true && rdbmaterialpiel.Checked == true)
                {
                    string color = "Amarillo";
                    string material = "piel";
                    int cant = Convert.ToInt32(txtCantidadF3.Text);
                    f1.CostoRadio(color, cant, material, ref total);
                    lblTotalF3.Text = total.ToString();
                }
                else
                {
                    if (rdbColorAzulF3.Checked == true && rdbmaterialpiel.Checked == true)
                    {
                        string color = "Azul";
                        string material = "piel";
                        int cant = Convert.ToInt32(txtCantidadF3.Text);
                        f1.CostoRadio(color, cant, material, ref total);
                        lblTotalF3.Text = total.ToString();
                    }
                }
            }
        }
    }

    arre[indice] = total;
    indice++;
}
}
}

```