```csharp
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 AplicacionFCC2021
{
    public partial class frmAlumno : Form
    {

        private Alumno[] alumno1;

        public frmAlumno()
        {
            InitializeComponent();
            this.alumno1 = new Alumno[20];
            this.llenar();
        }
        public void llenar() {
            for (int i = 0; i < this.alumno1.Length; i++)
            {

                this.alumno1[i] = new Alumno();
            }
        }

        public void agregarAlumno() {
            int index = int.Parse(this.txtIndex.Text);
            this.alumno1[index] = new Alumno
              (this.txtNombre.Text,this.txtMatricula.Text,float.Parse
              (this.txtNota.Text));
            MessageBox.Show("Se agrego un nuevo estudiante");
        }


        private void button1_Click(object sender, EventArgs e)
        {
            agregarAlumno();
        }

        private void iconButton1_Click(object sender, EventArgs e)
        {
            this.dataGridView1.Rows.Clear();
            for (int i = 0; i < this.alumno1.Length; i++)
            {
                this.dataGridView1.Rows.Add(
                    this.alumno1[i].matricula,
                    this.alumno1[i].nombre,
```

```csharp
                    this.alumno1[i].nota,
                    i
                    );
            }
        }

        private void dataGridView1_CellDoubleClick(object sender,          ⏎
          DataGridViewCellEventArgs e)
        {
            this.txtMatricula.Text = this.dataGridView1.CurrentRow.Cells   ⏎
              [0].Value.ToString();
            this.txtNombre.Text = this.dataGridView1.CurrentRow.Cells      ⏎
              [1].Value.ToString();
            this.txtNota.Text = this.dataGridView1.CurrentRow.Cells        ⏎
              [2].Value.ToString();
            this.txtIndex.Text = this.dataGridView1.CurrentRow.Cells       ⏎
              [3].Value.ToString();
        }
    }
}
```