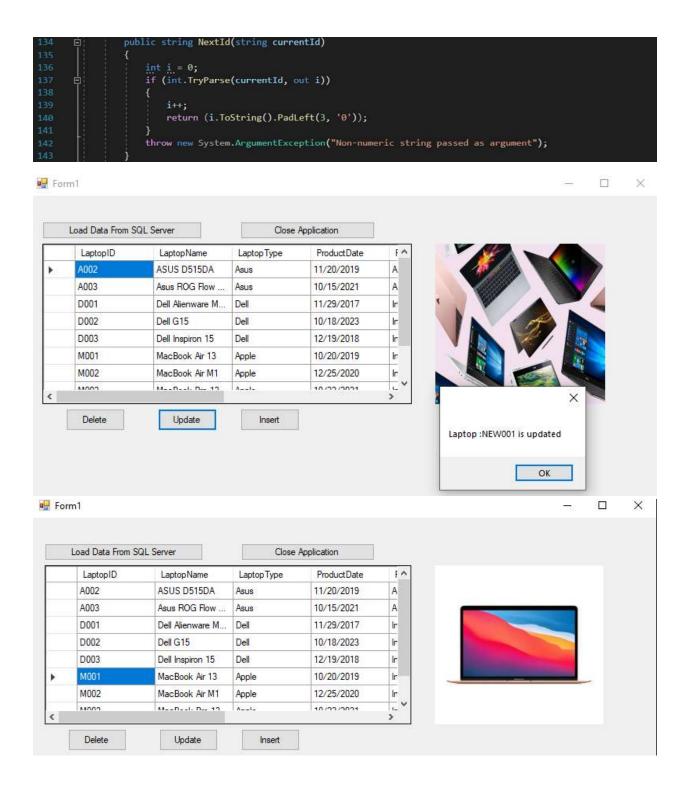
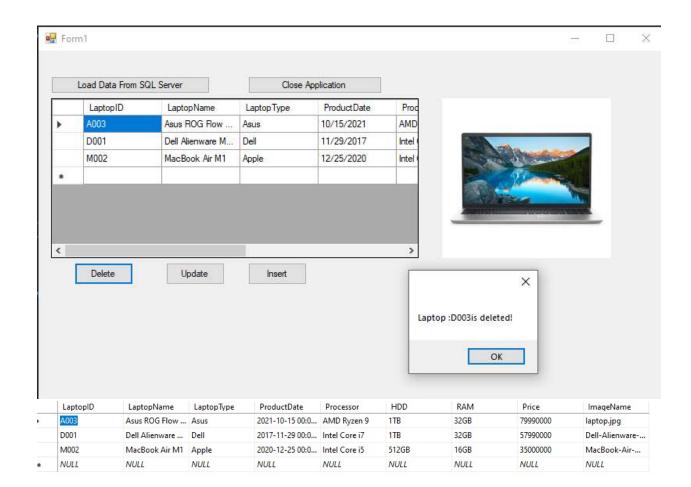
Yêu cầu 1:

```
using System.Collections.Generic;
      using System.Data;
      using System.Drawing;
      using System.Ling;
      using System.Windows.Forms;
     using System.IO;
10 💡
     Finamespace LaptopLINO
             static string ProjectPath = Directory.GetParent(Directory.GetCurrentDirectory()).Parent.FullName;
             LaptopDBDataContext db = new LaptopDBDataContext();
                 InitializeComponent();
             private void Form1_Load(object sender, EventArgs e)
                 picLaptop.Image = Image.FromFile(ProjectPath + "\\Data\\laptop.jpg");
                 picLaptop.SizeMode = PictureBoxSizeMode.StretchImage;
             private void btnCloseApp_Click(object sender, EventArgs e)
                public void DisplayData()
                    dgwLaptop.DataSource = (from sp in db.Laptops select sp);
                    dgwLaptop.Columns["ImageName"].Visible = false;
                    dgwLaptop.Columns["colLaptopID"].ReadOnly = true;
                private void btnLoadData_Click(object sender, EventArgs e)
                    DisplayData();
                private void dgwLaptop_SelectionChanged(object sender, EventArgs e)
                    if (dgwLaptop.Focused == false || dgwLaptop.CurrentCell == null)
                    int RowIndex = dgwLaptop.CurrentRow.Index;
                    string SelectedLaptopID = dgwLaptop.Rows[RowIndex].Cells[0].Value.ToString();
                    string LaptopImage = (from sp in db.Laptops
                                           where sp.LaptopID == SelectedLaptopID
                                           select sp.ImageName).FirstOrDefault();
                    if (LaptopImage == null)
                        return;
                    picLaptop.Image = Image.FromFile(ProjectPath + "\\Data\\" + LaptopImage);
                    picLaptop.SizeMode = PictureBoxSizeMode.StretchImage;
                private void btnDelete_Click(object sender, EventArgs e)
                    int RowIndex = dgwLaptop.CurrentRow.Index;
                    string SelectedLaptopID = dgwLaptop.Rows[RowIndex].Cells[0].Value.ToString();
```

```
Laptop deletedSP = (from sp in db.Laptops
                        where sp.LaptopID == SelectedLaptopID
                        select sp).SingleOrDefault();
    db.Laptops.DeleteOnSubmit(deletedSP);
    db.SubmitChanges();
    DisplayData();
    MessageBox.Show("Laptop :" + deletedSP.LaptopID + "is deleted!");
private void btnUpdate_Click(object sender, EventArgs e)
    int RowIndex = dgwLaptop.CurrentRow.Index;
    string SelectedLaptopID = dgwLaptop.Rows[RowIndex].Cells[0].Value.ToString();
    Laptop updateSP = (from sp in db.Laptops
                       where sp.LaptopID == SelectedLaptopID
                       select sp).SingleOrDefault();
   updateSP.LaptopID = dgwLaptop.Rows[RowIndex].Cells[0].Value.ToString();
   updateSP.LaptopName = dgwLaptop.Rows[RowIndex].Cells[1].Value.ToString();
updateSP.LaptopType = dgwLaptop.Rows[RowIndex].Cells[2].Value.ToString();
   updateSP.ProductDate = DateTime.Parse(dgwLaptop.Rows[RowIndex].Cells[3].Value.ToString());
   updateSP.Processor = dgwLaptop.Rows[RowIndex].Cells[4].Value.ToString();
    updateSP.HDD = dgwLaptop.Rows[RowIndex].Cells[5].Value.ToString();
    updateSP.RAM = dgwLaptop.Rows[RowIndex].Cells[6].Value.ToString();
    updateSP.Price = Convert.ToInt32(dgwLaptop.Rows[RowIndex].Cells[7].Value.ToString());
    updateSP.ImageName = "laptop.jpg";
    db.SubmitChanges();
   DisplayData():
    MessageBox.Show("Laptop :" + updateSP.LaptopID + " is updated");
 private void btnInsert_Click(object sender, EventArgs e)
     Laptop checkedSP;
     List<Laptop> SPList = (from sp in db.Laptops
                             where sp.LaptopID.Contains("NEW")
                              select sp).ToList();
     string NewID = "NEW";
     if (SPList.Count == 0)
         NewID = NewID + "001";
         checkedSP = SPList.Last();
         NewID = NewID + NextId(checkedSP.LaptopID.Substring(checkedSP.LaptopID.Length - 3));
     Laptop insertedSP = new Laptop();
     insertedSP.LaptopID = NewID;
     insertedSP.LaptopName = "Not Assigned";
     insertedSP.LaptopType = "Not Assigned";
     insertedSP.ProductDate = DateTime.Now;
     insertedSP.Processor = "Not Assigned";
     insertedSP.HDD = "Not Assigned";
     insertedSP.RAM = "Not Assigned";
     insertedSP.Price = 0;
     insertedSP.ImageName = "laptop.jpg";
     db.Laptops.InsertOnSubmit(insertedSP);
     db.SubmitChanges();
     DisplayData();
     MessageBox. Show("New laptop is inserted! Please update data and press button Update");
```





Yêu cầu 2:

```
public Form1()

InitializeComponent();

private void coffeeBindingNavigatorSaveItem_Click(object sender, EventArgs e)

this.Validate();
this.coffeeBindingSource.EndEdit();
this.coffeeBindingSource.EndEdit();
this.tableAdapterManager.UpdateAll(this.coffeeDBDataSet);
MessageBox.Show("Update Data Complete!");

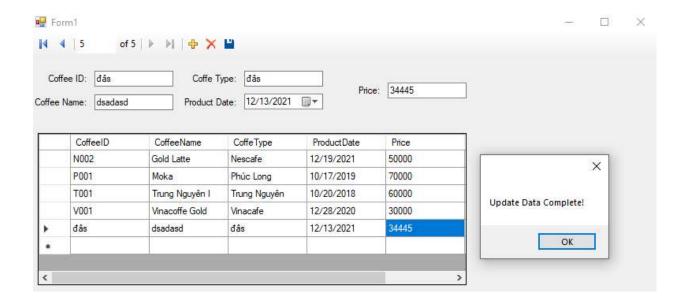
private void Form1_Load(object sender, EventArgs e)

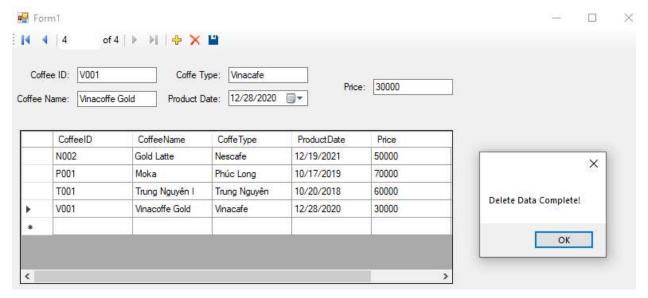
// TODO: This line of code loads data into the 'coffeeDBDataSet.Coffee' table. You can move, or rem this.coffeeTableAdapter.Fill(this.coffeeDBDataSet.Coffee);

private void bindingNavigatorDeleteItem_Click(object sender, EventArgs e)

MessageBox.Show("Delete Data Complete!");

MessageBox.Show("Delete Data Complete!");
```





	CoffeeID	CoffeeName	CoffeType	ProductDate	Price	ImageName
•	đâs	dsadasd	đâs	2021-12-13 00:0	34445	NULL
	N002	Gold Latte	Nescafe	2021-12-19 00:0	50000	Gold-Latte.jpg
	P001	Moka	Phúc Long	2019-10-17 00:0	70000	Moka.jpg
	T001	Trung Nguyên l	Trung Nguyên	2018-10-20 00:0	60000	l.jpg
	V001	Vinacoffe Gold	Vinacafe	2020-12-28 00:0	30000	Vina-Gold.jpg
	NULL	NULL	NULL	NULL	NULL	NULL