

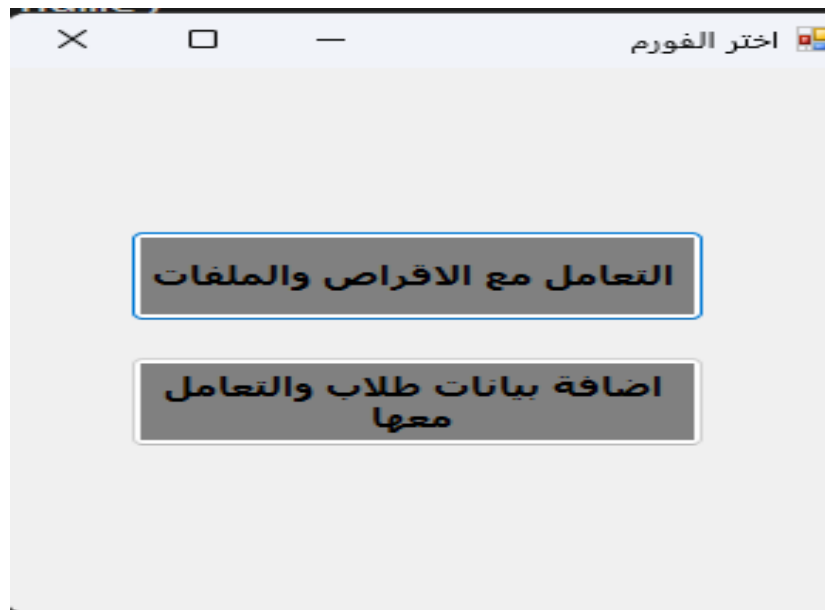
بسم الله الرحمن الرحيم

الاسم : محمد نشوان الفقيه

واجب المحاضرة العاشرة

البرنامج الأول : التعامل مع الاقراص

فورم التنفيذ



```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

namespace محمد_نشوان_الفقيه
{
    public partial class Form3 : Form
    {
        public Form3()
        {
            InitializeComponent();
        }
    }
}
```

```

private void button1_Click(object sender, EventArgs e)
{
    new Form1().ShowDialog();
}

private void button2_Click(object sender, EventArgs e)
{
    new Form2().ShowDialog();
}
}

```

فورم التنفيذ



```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
using System.IO;

namespace محمد_نشان_الفقيه
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void Form1_Load(object sender, EventArgs e)

```

```

{
    comboBox1.DropDownStyle = ComboBoxStyle.DropDownList;
    comboBox1.Items.Add("*.png");
    comboBox1.Items.Add("*.jpg");
    comboBox1.Items.Add("*.txt");
    comboBox1.SelectedIndex = 0;
    pictureBox1.Visible = false;
    richTextBox1.Visible = false;
}

private void driveListBox1_SelectedIndexChanged(object sender, EventArgs e)
{
    dirListBox1.Path = driveListBox1.Drive;
}

private void dirListBox1_SelectedIndexChanged(object sender, EventArgs e)
{
    fileListBox1.Path = dirListBox1.Path;
}

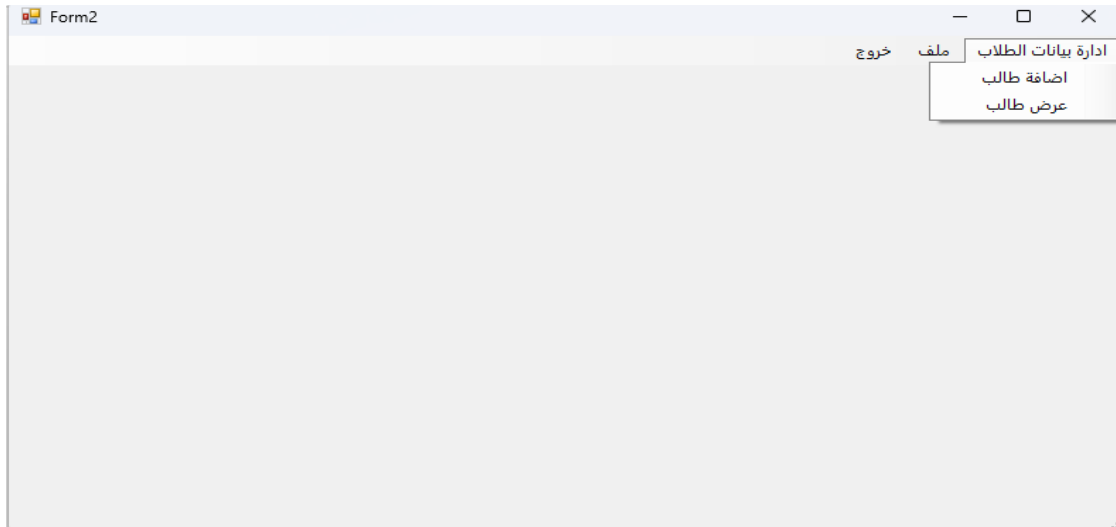
private void comboBox1_SelectedIndexChanged(object sender, EventArgs e)
{
    fileListBox1.Pattern = comboBox1.Text.Trim();
}

private void fileListBox1_SelectedIndexChanged(object sender, EventArgs e)
{
    label4.Text = fileListBox1.Path + "\\\" + fileListBox1.FileName;
    label5.Text = Path.GetFileName(label4.Text);
    label6.Text = Path.GetExtension(label4.Text);
    if (label6.Text.Trim().ToLower() == ".txt")
    {
        richTextBox1.Visible = true;
        richTextBox1.Text = File.ReadAllText(label4.Text);
        pictureBox1.Image = null;
        pictureBox1.Visible = false;
    }
    else if (label6.Text.Trim().ToLower() == ".png" ||
label6.Text.Trim().ToLower() == ".jpg")
    {
        pictureBox1.Visible = true;
        pictureBox1.Image = Image.FromFile(label4.Text);
        richTextBox1.Text = "";
        richTextBox1.Visible = false;
    }
}
}
}

```

البرنامج الثاني : إضافة بيانات الطلاب والتعامل معها

الواجهة الرئيسية



```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

namespace محمد_نشوان_الفقيه
{
    public partial class Form2 : Form
    {
        public Form2()
        {
            InitializeComponent();
        }
        Addstudent a;
        showstudent s;
        private void اغلاقToolStripMenuItem_Click(object sender, EventArgs e)
        {
            int count = Application.OpenForms.Count;
            if (count > 1)
            {
                Application.OpenForms[count - 1].Close();
            }
        }
        private void اغلاقالكلToolStripMenuItem_Click(object sender, EventArgs e)
        {
            int count = Application.OpenForms.Count;
```

```

        if (count > 1)
        {
            for (int i = count - 1; i >= 1; i--)
            {
                Application.OpenForms[i].Close();
            }
        }
    }
    private void خروجToolStripMenuItem_Click(object sender, EventArgs e)
    {
        Application.Exit();
    }

    private void اضافةطالبToolStripMenuItem_Click(object sender, EventArgs e)
    {
        if (a == null || a.IsDisposed)
        {
            a = new Addstudent();
            a.Show();
        }
        else
        {
            a.Focus();
        }
    }
    private void عرضطالبToolStripMenuItem_Click(object sender, EventArgs e)
    {
        if (s == null || s.IsDisposed)
        {
            s = new showstudent();
            s.Show();
        }
        else
        {
            s.Focus();
        }
    }
}
}
}

```

فورم إضافة بيانات الطالب

The screenshot shows a Windows application window titled "Addstudent". The window has a light blue background. On the left side, there is a placeholder image of a man. Below this image is a red label "أختيار صورة". To the right of the image, there are three input fields stacked vertically. The first is a numeric field containing "0", the second is a text field containing "محمد", and the third is a date field containing "Saturday . August 14, 2004". To the right of these fields are three red labels: "رقم الطالب", "أسم الطالب", and "تاريخ الميلاد". At the bottom of the window, there are two buttons: "أغلق" (Close) on the left and "أضافة" (Add) on the right.

```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

namespace محمد_نشوان_الفقيه
{
    public partial class Addstudent : Form
    {
        public static Student []s = new Student[100];
        public static int count = 0;
        public Addstudent()
        {
            InitializeComponent();
        }
        bool ischoceimg = false;

        private void button1_Click(object sender, EventArgs e)
        {
            if (count < 100)
            {
                if (ischoceimg)
                {
                    s[count] = new Student();
                    s[count].SetNumber(Convert.ToInt32(numericUpDown1.Value));
                    s[count].SetName(textBox1.Text);
                    s[count].SetBrithdate(dateTimePicker1.Text);
                    s[count].Setimpath(openFileDialog1.FileName);
                    count++;
                    ischoceimg = false;
                    pictureBox1.Image = null;
                    numericUpDown1.Value = 0;
                    textBox1.Text = "";
                    MessageBox.Show("تم اضافة الطالب بنجاح", "نجاح");
                }
                else
                {
                    MessageBox.Show("الرجاء اختيار صورة الطالب اولاً", "تحذير");
                }
            }
            else
            {
                MessageBox.Show("لقد تجاوزت العدد المسموح لك", "تحذير");
            }
        }

        private void button2_Click(object sender, EventArgs e)
        {
            this.Close();
        }

        private void linkLabel1_LinkClicked(object sender, LinkLabelLinkClickedEventArgs
e)
        {

```

```

openFileDialog1.Filter = "img(*.jpg)|*.jpg|(img*.bmp;*.png)|*.bmp;*.png";
if (openFileDialog1.ShowDialog() == DialogResult.OK)
{
    pictureBox1.Image = Image.FromFile(openFileDialog1.FileName);
    ischoceimg = true;
}
}
}

```

فورم عرض بيانات الطلاب



```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

namespace محمد_نشوان_الفقيه
{
    public partial class showstudent : Form
    {
        public showstudent()
        {
            InitializeComponent();
        }
        void loadstudentdata()
        {
            for (int i = 0; i < Addstudent.count; i++)
            {
                listBox1.Items.Add(Addstudent.s[i].Getnumber().ToString());
                listBox2.Items.Add(Addstudent.s[i].GetName().ToString());
                listBox3.Items.Add(Addstudent.s[i].GetBrithdate().ToString());
                pictureBox1.Image = Image.FromFile(Addstudent.s[i].GetImgPath());
            }
        }
    }
}

```

```

    }
}
private void showstudent_Load(object sender, EventArgs e)
{
    loadstudentdata();
    listBox1.SelectedIndexChanged += findselectindexlist;
    listBox2.SelectedIndexChanged += findselectindexlist;
    listBox3.SelectedIndexChanged += findselectindexlist;
}
public static int index = -1;
void findselectindexlist(object sender, EventArgs e)
{
    if (((ListBox)sender).SelectedIndex != -1)
    {
        index = listBox3.SelectedIndex = listBox2.SelectedIndex =
listBox1.SelectedIndex =
        ((ListBox)sender).SelectedIndex;
        pictureBox1.Image = Image.FromFile(Addstudent.s[index].GetImagePath());
    }
}

private void button3_Click(object sender, EventArgs e)
{
    if (listBox1.SelectedItem != null)
    {
        listBox1.Items.Remove(listBox1.SelectedItem);
        listBox2.Items.Remove(listBox2.SelectedItem);
        listBox3.Items.Remove(listBox3.SelectedItem);
        for (int i = index; i < Addstudent.count; i++)
            Addstudent.s[i] = Addstudent.s[i + 1];
        Addstudent.count--;
        if (Addstudent.count >= 1)
        {
            pictureBox1.Image = Image.FromFile(Addstudent.s[0].GetImagePath());
            listBox1.SelectedIndex = listBox2.SelectedIndex =
listBox3.SelectedIndex = 0;
        }
        else
            pictureBox1.Image = null;
    }
}

private void button2_Click(object sender, EventArgs e)
{
    this.Close();
}

private void button4_Click(object sender, EventArgs e)
{
    listBox1.Items.Clear();
    listBox2.Items.Clear();
    listBox3.Items.Clear();
    loadstudentdata();
}

private void button1_Click(object sender, EventArgs e)
{

```



```

        if (listBox1.SelectedItem != null)
        {
            ModifyStudent m = new ModifyStudent();
            m.ShowDialog();
            listBox1.Items[index] = Addstudent.s[index].Getnumber();
            listBox2.Items[index] = Addstudent.s[index].GetName();
            listBox3.Items[index] = Addstudent.s[index].GetBrithdate();
            pictureBox1.Image = Image.FromFile(Addstudent.s[index].GetImgPath());
        }
    }
}
}

```

فورم تعديل بيانات الطلاب



```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

namespace محمد_نشوان_الفقيه
{
    public partial class ModifyStudent : Form
    {

```

```

int index;
public ModifyStudent()
{
    InitializeComponent();
}

private void ModifyStudent_Load(object sender, EventArgs e)
{
    loadstudentdata();
}
void loadstudentdata()
{
    index = showstudent.index;
    numericUpDown1.Value = Convert.ToInt32(Addstudent.s[index].Getnumber());
    textBox1.Text = Addstudent.s[index].GetName();
    dateTimePicker1.Text = Addstudent.s[index].GetBrithdate();
    pictureBox1.Image = Image.FromFile(Addstudent.s[index].GetImgPath());
}
private bool isupdateimg = false;

private void button1_Click(object sender, EventArgs e)
{
    Addstudent.s[index].SetName(textBox1.Text);
    Addstudent.s[index].SetNumber(Convert.ToInt32(numericUpDown1.Value));
    Addstudent.s[index].SetBrithdate(dateTimePicker1.Text);
    if (isupdateimg)
    {
        Addstudent.s[index].Setimgpath(openFileDialog1.FileName);
    }
    Close();
}

private void button2_Click(object sender, EventArgs e)
{
    Close();
}

private void linkLabel1_LinkClicked(object sender, LinkLabelLinkClickedEventArgs
e)
{
    openFileDialog1.Filter = "img(*.jpg)|*.jpg|(img*.bmp;*.png)|*.bmp;*.png";
    if (openFileDialog1.ShowDialog() == DialogResult.OK)
    {
        isupdateimg = true;
        pictureBox1.Image = Image.FromFile(openFileDialog1.FileName);
    }
}
}
}

```

تم بحمد الله