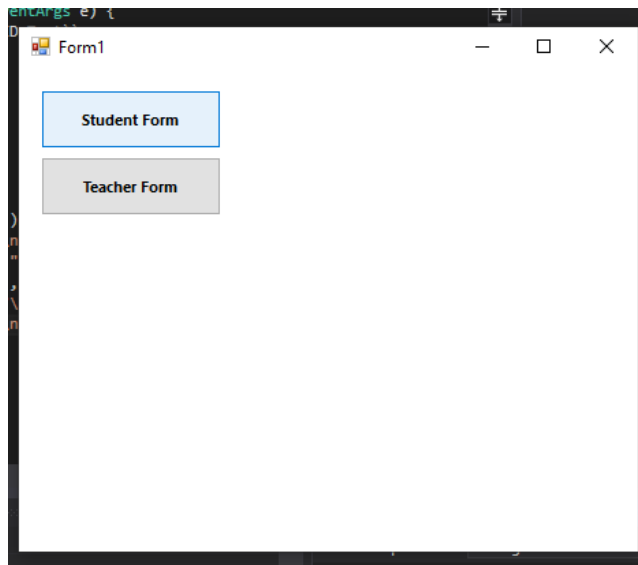
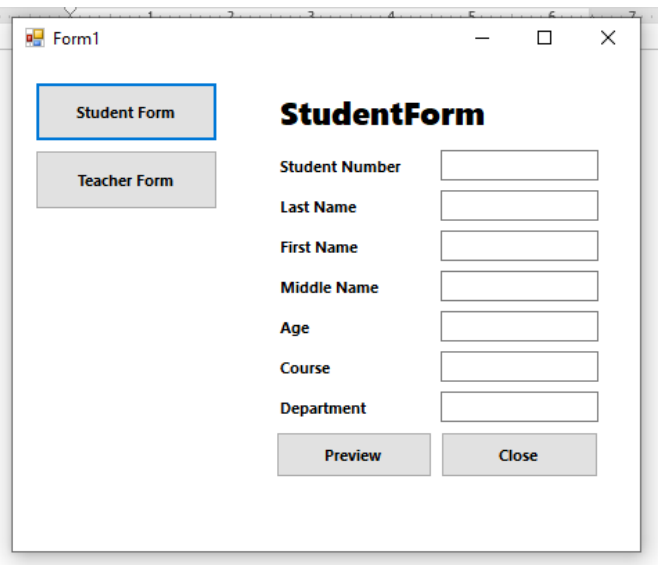


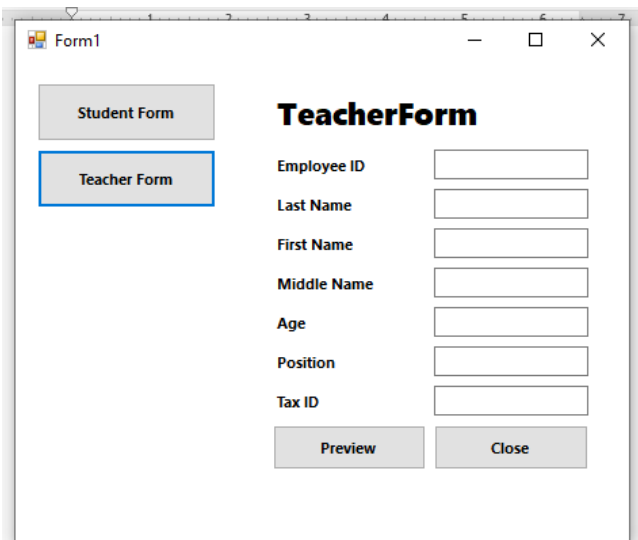
Cabrera, Jen Jade B.
BSCS 2nd Year



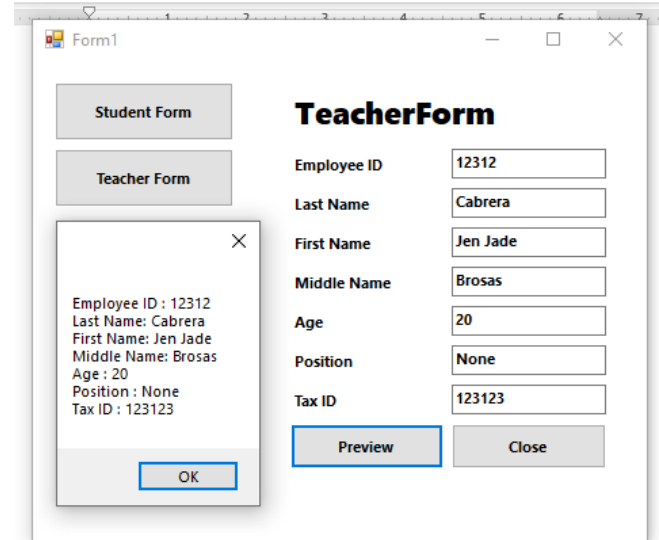
A screenshot of a Windows application window titled "Form1". It contains two buttons: "Student Form" (highlighted with a blue border) and "Teacher Form" (in a grey box).



A screenshot of the "StudentForm" window. It features a sidebar with "Student Form" (highlighted) and "Teacher Form" buttons. The main area is titled "StudentForm" and contains the following fields: "Student Number", "Last Name", "First Name", "Middle Name", "Age", "Course", and "Department". At the bottom are "Preview" and "Close" buttons.



A screenshot of the "TeacherForm" window. It features a sidebar with "Student Form" and "Teacher Form" (highlighted) buttons. The main area is titled "TeacherForm" and contains the following fields: "Employee ID", "Last Name", "First Name", "Middle Name", "Age", "Position", and "Tax ID". At the bottom are "Preview" and "Close" buttons.



A screenshot of the "TeacherForm" window with data entered in the fields: Employee ID (12312), Last Name (Cabrera), First Name (Jen Jade), Middle Name (Brosas), Age (20), Position (None), and Tax ID (123123). A summary dialog box is open, displaying the entered information: "Employee ID : 12312", "Last Name: Cabrera", "First Name: Jen Jade", "Middle Name: Brosas", "Age : 20", "Position : None", and "Tax ID : 123123". The dialog has an "OK" button. The "Preview" button in the main form is highlighted.

// Main Form

```
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 MyCInheritance {
    public partial class MainForm : Form {
        public MainForm () {
            InitializeComponent();
        }

        private void ShowForm(Form form) {
            pnlBody.Controls.Clear();
            form.TopLevel = false;
            pnlBody.Controls.Add(form);
            form.Show();
        }

        private void btnStudentForm_Click (object sender, EventArgs e) {
            ShowForm(new StudentForm());
        }

        private void button2_Click (object sender, EventArgs e) {
            ShowForm(new TeacherForm());
        }
    }
}
```

// Student Form

```
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 MyCInheritance {
    public partial class StudentForm : Form {
        ClassStudent student = new ClassStudent();

        public StudentForm () {
            InitializeComponent();
        }

        private void btnPreview_Click (object sender, EventArgs e) {
            student.SetStudentNumber(int.Parse(txtStudentNumber.Text));
            student.SetLastName(txtLastName.Text);
            student.SetFirstName(txtFirstName.Text);
            student.SetMiddleName(txtMiddleName.Text);
            student.SetAge(int.Parse(txtAge.Text));
            student.SetCourse(txtCourse.Text);
            student.SetDepartment(txtDepartment.Text);

            string message = String.Concat(
                "Student Number: ", student.GetStudentNumber().ToString(), "\n",
                "Last Name: ", student.GetLastName(), "\n",
                "First Name: ", student.GetFirstName(), "\n",
                "Middle Name: ", student.GetMiddleName(), "\n",
                "Age : ", student.GetAge().ToString(), "\n",
                "Course : ", student.GetCourse(), "\n",
                "Department : ", student.GetDepartment(), "\n"
            );

            MessageBox.Show(message);
        }

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

// Teacher Form

```
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 MyCInheritance {
    public partial class TeacherForm : Form {
        ClassTeacher teacher = new ClassTeacher();

        public TeacherForm () {
            InitializeComponent();
        }

        private void btnPreview_Click (object sender, EventArgs e) {
            teacher.SetEmployeeID(int.Parse(txtEmployeeID.Text));
            teacher.SetLastName(txtLastName.Text);
            teacher.SetFirstName(txtFirstName.Text);
            teacher.SetMiddleName(txtMiddleName.Text);
            teacher.SetAge(int.Parse(txtAge.Text));
            teacher.SetPosition(txtPosition.Text);
            teacher.SetTaxID(txtTaxID.Text);

            string message = String.Concat(
                "Employee ID : ", teacher.GetEmployeeID().ToString(), "\n",
                "Last Name: ", teacher.GetLastName(), "\n",
                "First Name: ", teacher.GetFirstName(), "\n",
                "Middle Name: ", teacher.GetMiddleName(), "\n",
                "Age : ", teacher.GetAge().ToString(), "\n",
                "Position : ", teacher.GetPosition(), "\n",
                "Tax ID : ", teacher.GetTaxID(), "\n"
            );

            MessageBox.Show(message);
        }

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

// Class: ClassPerson

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace MyCInheritance {
    class ClassPerson {
        private string _lastName;
        private string _firstName;
        private string _middleName;
        private int _age;

        public ClassPerson () {
            _lastName = "";
            _firstName = "";
            _middleName = "";
            _age = 0;
        }

        // Setters

        public void SetLastName (string lastName) {
            _lastName = lastName;
        }

        public void SetFirstName (string firstName) {
            _firstName = firstName;
        }

        public void SetMiddleName (string middleName) {
            _middleName = middleName;
        }

        public void SetAge (int age) {
            _age = age;
        }

        // Getters

        public string GetLastName () {
            return _lastName;
        }

        public string GetFirstName () {
            return _firstName;
        }

        public string GetMiddleName () {
            return _middleName;
        }

        public int GetAge () {
            return _age;
        }
    }
}
```

// Class: ClassStudent

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace MyCInheritance {
    class ClassStudent : ClassPerson {
        private int _studentNumber;
        private string _course;
        private string _department;

        public ClassStudent () {
            _studentNumber = 0;
            _course = "";
            _department = "";
        }

        // Setters

        public void SetStudentNumber (int studentNumber) {
            _studentNumber = studentNumber;
        }

        public void SetCourse (string course) {
            _course = course;
        }

        public void SetDepartment (string department) {
            _department = department;
        }

        // Getters

        public int GetStudentNumber () {
            return _studentNumber;
        }

        public string GetCourse () {
            return _course;
        }

        public string GetDepartment () {
            return _department;
        }
    }
}
```

// Class: ClassTeacher

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace MyCInheritance {
    class ClassTeacher : ClassPerson {
        private int _employeeID;
        private string _position;
        private string _taxID;

        public ClassTeacher () {
            _employeeID = 0;
            _position = "";
            _taxID = "";
        }

        // Setters

        public void SetEmployeeID (int employeeID) {
            _employeeID = employeeID;
        }

        public void SetPosition (string position) {
            _position = position;
        }

        public void SetTaxID (string taxID) {
            _taxID = taxID;
        }

        // Getters

        public int GetEmployeeID () {
            return _employeeID;
        }

        public string GetPosition () {
            return _position;
        }

        public string GetTaxID () {
            return _taxID;
        }
    }
}
```