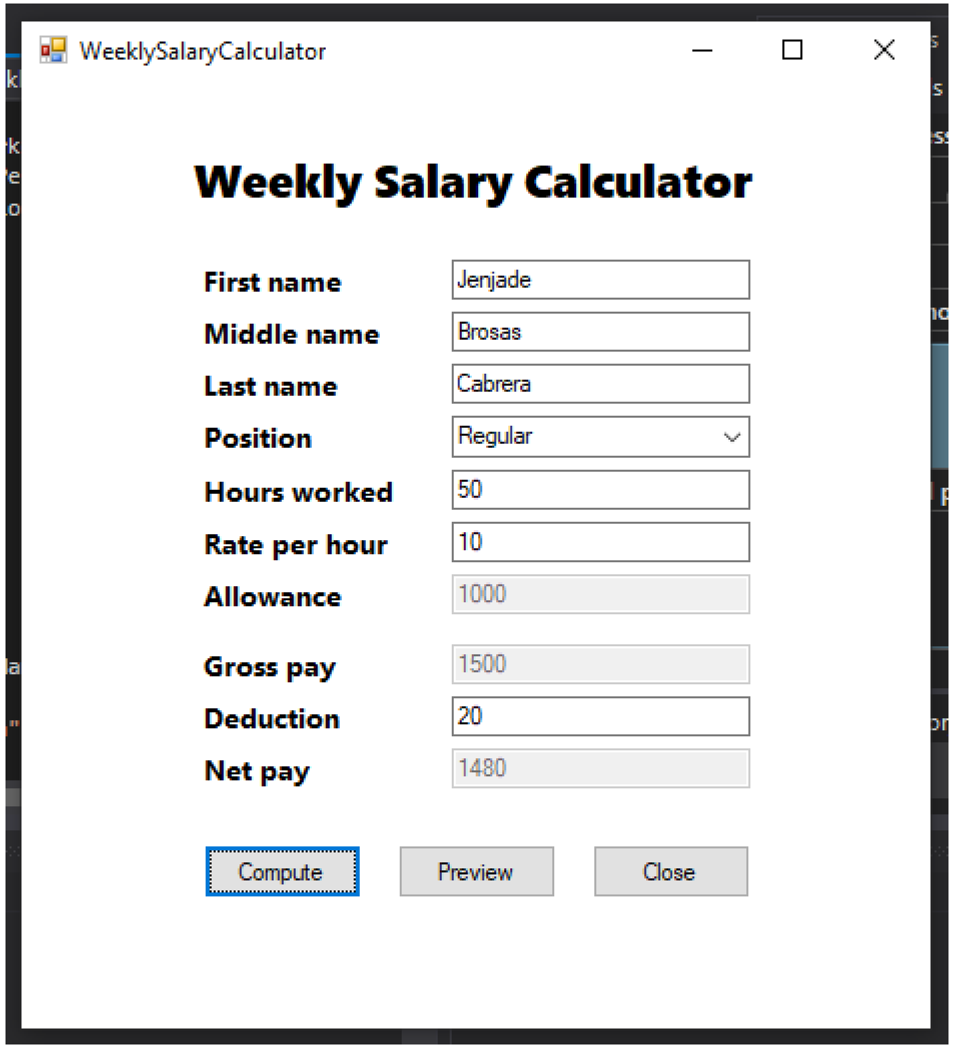
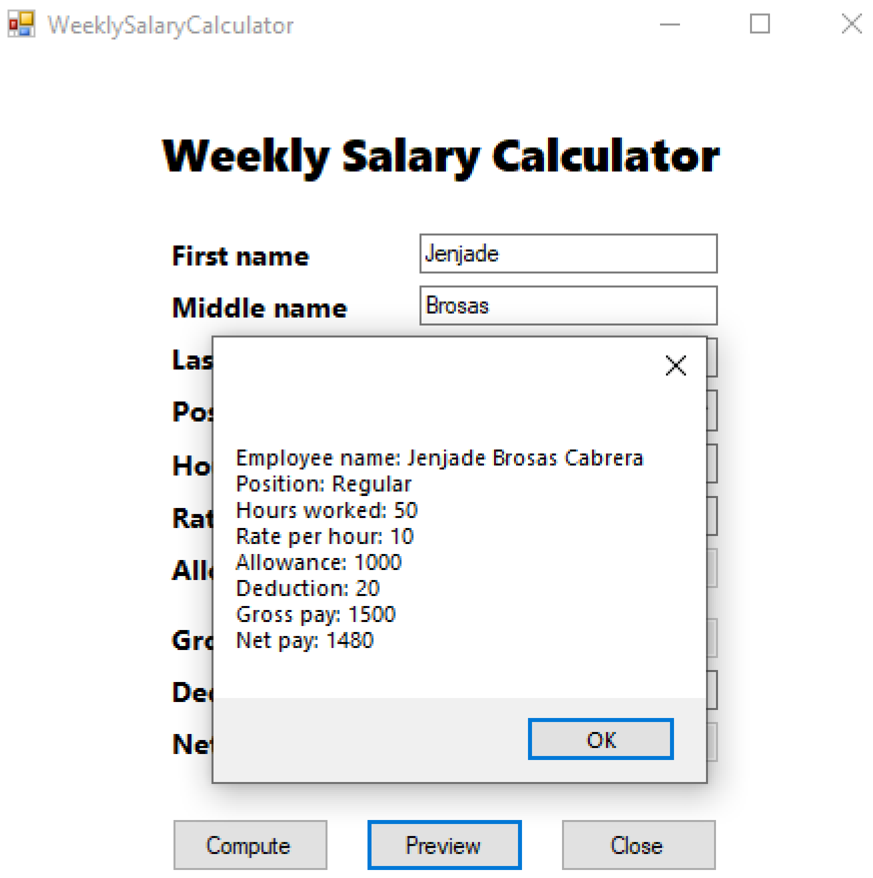
Cabrera, Jen Jade B.
BSCS – 2nd Year



Weekly Salary Calculator

First name	Jenjade
Middle name	Brosas
Last name	Cabrera
Position	Regular
Hours worked	50
Rate per hour	10
Allowance	1000
Gross pay	1500
Deduction	20
Net pay	1480



Weekly Salary Calculator

First name	Jenjade
Middle name	Brosas

```
Employee name: Jenjade Brosas Cabrera
Position: Regular
Hours worked: 50
Rate per hour: 10
Allowance: 1000
Deduction: 20
Gross pay: 1500
Net pay: 1480
```

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

namespace WeeklySalaryCalculator {
    class EmployeeClass {
        public string FirstName { get; set; }
        public string MiddleName { get; set; }
        public string LastName { get; set; }
        public int HoursWorked { get; set; }
        public double RatePerHour { get; set; }
        public double Deduction { get; set; }
        public string Position { get; set; }
        private double _allowance;
        private double _grossPay;
        private double _netPay;

        public static Dictionary<string, int> PositionAllowanceMap =
            new Dictionary<string, int> {
                {"Regular", 1000}, { "Probationary", 500}, {"Part-time", 1000}
            };

        public double ComputeAllowance() {
            _allowance = PositionAllowanceMap[Position];
            return _allowance;
        }

        public double ComputeGrossPay() {
            _grossPay = (RatePerHour * HoursWorked) + _allowance;
            return _grossPay;
        }

        public double ComputeNetPay() {
            _netPay = ComputeGrossPay() - Deduction;
            return _netPay;
        }
    }
}
```

```
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 WeeklySalaryCalculator {
    public partial class WeeklySalaryCalculatorForm : Form {
        EmployeeClass employee = new EmployeeClass();
        private double _allowance;
        private double _grossPay;
        private double _netPay;

        public WeeklySalaryCalculatorForm() {
            InitializeComponent();
        }

        private void WeeklySalaryCalculatorForm_Load(object sender, EventArgs e) {
            foreach (KeyValuePair<string, int> dictionary in EmployeeClass.PositionAllowanceMap) {
                cmbPosition.Items.Add(dictionary.Key);
            }
        }

        private void ComputeOutputFields() {
            _allowance = employee.ComputeAllowance();
            _grossPay = employee.ComputeGrossPay();
            _netPay = employee.ComputeNetPay();
        }

        private void FetchInputInformation() {
            employee.FirstName = txtFirstName.Text;
            employee.MiddleName = txtMiddleName.Text;
            employee.LastName = txtLastName.Text;
            employee.HoursWorked = int.Parse(txtHoursWorked.Text);
            employee.RatePerHour = Double.Parse(txtRatePerHour.Text);
            employee.Deduction = Double.Parse(txtDeduction.Text);
            employee.Position = cmbPosition.Text;
        }

        private void SetOutputFields() {
            ComputeOutputFields();
            txtAllowance.Text = _allowance.ToString();
            txtGrossPay.Text = _grossPay.ToString();
            txtNetPay.Text = _netPay.ToString();
        }

        private string GetAllEmployeeInformation() {
            FetchInputInformation();
            ComputeOutputFields();

            string employeeFullName = $"{employee.FirstName} {employee.MiddleName} {employee.LastName}";
            string employeeInformation = String.Concat(
                "Employee name: ", employeeFullName, "\n",
                "Position: ", employee.Position, "\n",
                "Hours worked: ", employee.HoursWorked, "\n",
                "Rate per hour: ", employee.RatePerHour, "\n",
                "Allowance: ", _allowance.ToString(), "\n",
                "Deduction: ", employee.Deduction, "\n",
                "Gross pay: ", _grossPay.ToString(), "\n",
                "Net pay: ", _netPay.ToString(), "\n"
            );

            return employeeInformation;
        }

        private void btnCompute_Click(object sender, EventArgs e) {
            FetchInputInformation();
            SetOutputFields();
        }

        private void btnPreview_Click(object sender, EventArgs e) {
            FetchInputInformation();
            MessageBox.Show(GetAllEmployeeInformation());
        }

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

```
    }
}
```