```
Please enter your full name:Joanna Senseng
Please enter your employee ID:66
Please enter your salary:24000
Please enter your Pay Period:24
Pay Period | Salary per Paycheck| Salary After Tax per Paycheck | State and Fed Tax
        1 |              1000 |                           725 |              17400
        2 |              1000 |                           725 |              17400
        3 |              1000 |                           725 |              17400
        4 |              1000 |                           725 |              17400
        5 |              1000 |                           725 |              17400
        6 |              1000 |                           725 |              17400
        7 |              1000 |                           725 |              17400
        8 |              1000 |                           725 |              17400
        9 |              1000 |                           725 |              17400
       10 |              1000 |                           725 |              17400
       11 |              1000 |                           725 |              17400
       12 |              1000 |                           725 |              17400
       13 |              1000 |                           725 |              17400
       14 |              1000 |                           725 |              17400
       15 |              1000 |                           725 |              17400
       16 |              1000 |                           725 |              17400
       17 |              1000 |                           725 |              17400
       18 |              1000 |                           725 |              17400
       19 |              1000 |                           725 |              17400
       20 |              1000 |                           725 |              17400
       21 |              1000 |                           725 |              17400
       22 |              1000 |                           725 |              17400
       23 |              1000 |                           725 |              17400
       24 |              1000 |                           725 |              17400

Fed Tax Amount: $3,600.00
State Tax Amount: $13,800.00
Salary $24,000.00
Salary After Tax: $17,399.00

Do another Calculation? (Y or N)
```
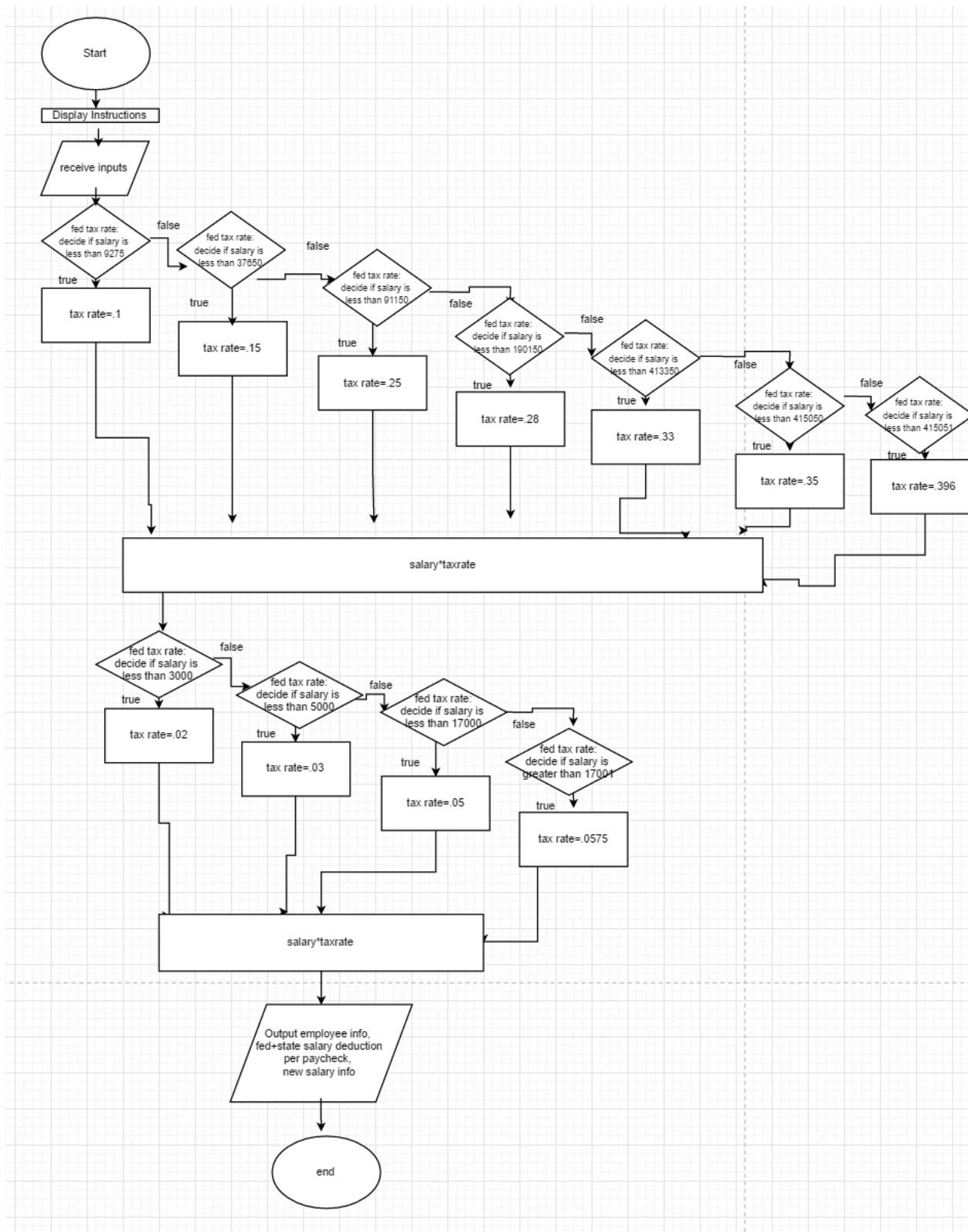
```
Start
  │
  ▼
Display Instructions
  │
  ▼
receive inputs
  │
  ▼
fed tax rate:                  false    fed tax rate:        false   fed tax rate:              false   fed tax rate:           false   fed tax rate:         false   fed tax rate:     false   fed tax rate:
decide if salary is ────────────────▶  decide if salary is ──────▶  decide if salary is ─────────────▶ decide if salary is ──────────▶ decide if salary is ─────────▶ decide if salary is ─────▶ decide if salary is
less than 9275                         less than 37650               less than 91150                    less than 190150                less than 413350               less than 415050           less than 415051
  │ true                                │ true                        │ true                             │ true                           │ true                          │ true                      │ true
  ▼                                     ▼                             ▼                                  ▼                               ▼                              ▼                          ▼
tax rate=.1                           tax rate=.15                  tax rate=.25                       tax rate=.28                    tax rate=.33                   tax rate=.35               tax rate=.396
```

salary*taxrate

```
fed tax rate:                  false    fed tax rate:        false   fed tax rate:              false
decide if salary is ────────────────▶  decide if salary is ──────▶  decide if salary is ──────────────▶
less than 3000                         less than 5000                less than 17000
  │ true                                │ true                        │ true                          fed tax rate:
  ▼                                     ▼                             ▼                                decide if salary is
tax rate=.02                          tax rate=.03                  tax rate=.05                       greater than 17001
                                                                                                         │ true
                                                                                                         ▼
                                                                                                       tax rate=.0575
```

salary*taxrate

Output employee info,
fed+state salary deduction
per paycheck,
new salary info

  │
  ▼
end

```csharp
namespace Salary
{
    class EmployeeCalc
    {


        public double fedTaxAmt { get; set; }
        public double stateTaxAmt { get; set; }
        private int totalTax;
        private double taxRate;
        private double stateTaxRate;
        private string employeeName1;
        private string employeeId1;
        private int employeeSalary;
        private int payPeriod;

        public EmployeeCalc(string employeeName1, string employeeId1, int employeeSalary, int payPeriod)
        {
            this.employeeName1 = employeeName1;
            this.employeeId1 = employeeId1;
            this.employeeSalary = employeeSalary;
            this.payPeriod = payPeriod;
        }

        public EmployeeCalc()
        {
        }


        //Constructors
        public void FedTax(int employeeSalary)
        {
            if (employeeSalary <= 9275)
                taxRate = .1;
            else if (employeeSalary <= 37650)
                taxRate = .15;
            else if (employeeSalary <= 91150)
                taxRate = .25;
            else if (employeeSalary <= 190150)
                taxRate = .28;
            else if (employeeSalary <= 413350)
                taxRate = .33;
            else if (employeeSalary <= 415050)
                taxRate = .35;
```