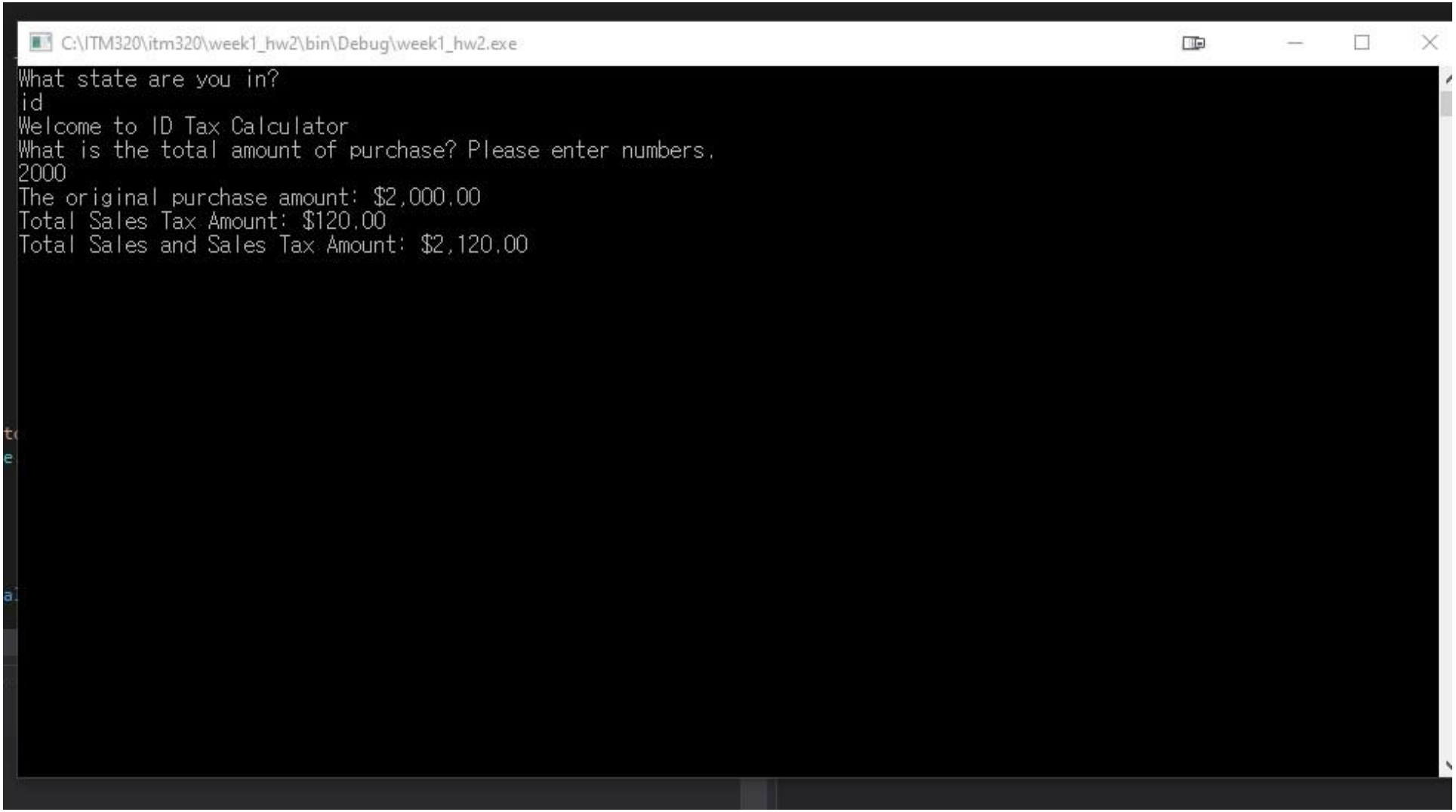
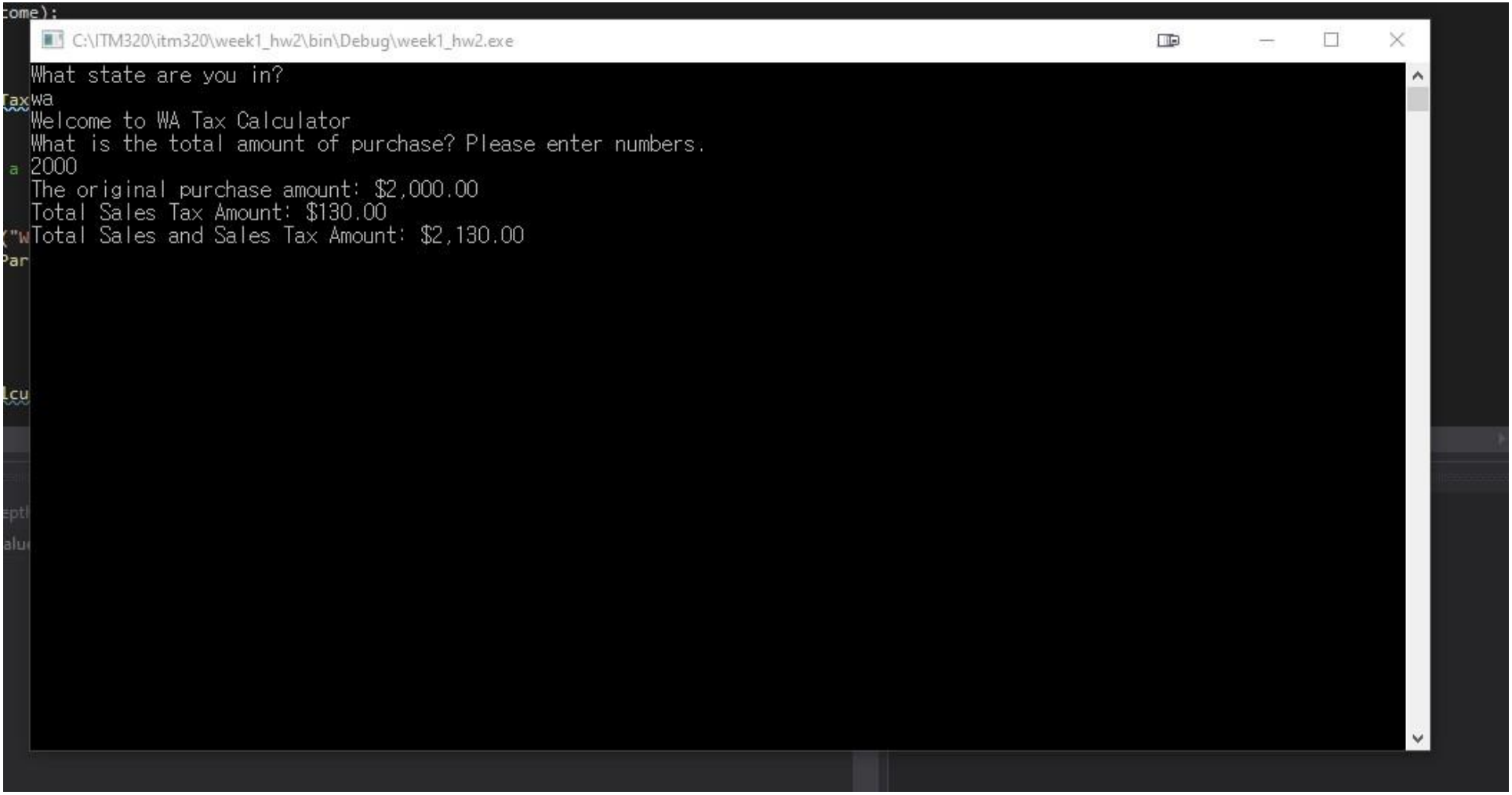
Program console



Program console



week1_hw2 | week1_hw2.IDTaxCalculator | CalIDSalesTax()

```
using System;

namespace week1_hw2
{
    3 references
    class IDTaxCalculator
    {
        private string welcome = "Welcome to ID Tax Calculator";

        1 reference
        public IDTaxCalculator()
        {
            // constructor
            Console.WriteLine(welcome);
        }

        1 reference
        public decimal CalIDSalesTax()
        {
            decimal totalAmount;
            // Loop for capturing a valid input
            do
            {
                Console.WriteLine("What is the total amount of purchase? Please enter numbers.");
            } while (!decimal.TryParse(Console.ReadLine(), out totalAmount));

            return totalAmount;
        }

        1 reference
        public decimal IDTaxOweCalculator(decimal totalAmount)
        {
            // Calculate tax value based on state tax rate and total amount of purchase
            const decimal idTaxRate = 0.06m;
            decimal taxOwed = totalAmount * idTaxRate;
            return taxOwed;
        }

        1 reference
        public void CalTaxCalculator()
        {
            decimal totalAmount = CalIDSalesTax();
            decimal taxOwed = IDTaxOweCalculator(totalAmount);

            Console.WriteLine($"The original purchase amount: {totalAmount:C}");
            Console.WriteLine($"Total Sales Tax Amount: {taxOwed:C}");
            Console.WriteLine($"Total Sales and Sales Tax Amount: {(totalAmount + taxOwed):C}");
            Console.ReadLine();
        }
    }
}
```

No issues found

WATaxCalculator.cs IDTaxCalculator.cs Program.cs

week1_hw2 | week1_hw2.Program | Main(string[] args)

```
using System;

/*
    Author: Jay Han
    Date: 1/26/2020
    ITM320 HW2

    Requirements:
    b. Create an application in C# console app that calculates the sales tax for their purchase. The application asks the user for their state (ID or WA) and perform the appropriate operations as o
    Assume that ID sales tax is 6% and WA sales tax is 6.5%
    Below is the instruction for the ID portion of the question, the WA portion of the question is exactly the same as below (except remember to change everything "ID" to "WA" for the WA part of th
    1) Create a class name "IDTaxCalculator" and a constructor that outputs "Welcome to ID Tax Calculator".
    2) Create a method CalIDSalesTax() that ask the user for the total of their purchase amount.
    3) Create another method called IDTaxOweCalculator()  that receives the total of the purchase amount from CalIDSalesTax().
    4) IDTaxOweCalculator() will calculate the amount of tax owe based on the purchase amount and then RETURNS the value back to CalIDSalesTax().
    5) CalTaxCalculator() will then perform the rest of the relevant calculations and output to the screen "The original purchase amount:", the "Total Sales Tax Amount" and the "Total Sales and Sal
    For ID selection. Instantiate an object "myIDTaxCalculator" out of the IDTaxCalculator class and perform the entire operation based on the requirement above.
    For WA selection. Instantiate an object "myWATaxCalculator" out of the WATaxCalculator class and perform the entire operation based on the requirement above.  <5 pts >

*/

namespace week1_hw2
{
    0 references
    class Program
    {
        0 references
        static void Main(string[] args)
        {
            Console.WriteLine("What state are you in?");
            string state = Console.ReadLine().ToLower();
            if (state == "id")
            {
                IDTaxCalculator myIDTaxCalculator = new IDTaxCalculator();
                myIDTaxCalculator.CalTaxCalculator();
            }
            else if (state == "wa")
            {
                WATaxCalculator myWaTaxCalculator = new WATaxCalculator();
                myWaTaxCalculator.CalTaxCalculator();
            }
            else
            {
                Console.WriteLine("Please rerun the program. Valid inputs are ID and WA.");
                Console.ReadLine();
            }
        }
    }
}
```

```
using System;

namespace week1_hw2
{
    3 references
    class WATaxCalculator
    {
        private string welcome = "Welcome to WA Tax Calculator";

        1 reference
        public WATaxCalculator()
        {
            // constructor
            Console.WriteLine(welcome);
        }

        1 reference
        public decimal CalWASalesTax()
        {
            decimal totalAmount;
            // Loop for capturing a valid input
            do
            {
                Console.WriteLine("What is the total amount of purchase? Please enter numbers.");
            } while (!decimal.TryParse(s:Console.ReadLine(), out totalAmount));

            return totalAmount;
        }

        1 reference
        public decimal WATaxOweCalculator(decimal totalAmount)
        {
            // Calculate tax value based on state tax rate and total amount of purchase
            const decimal waTaxRate = 0.065m;
            decimal taxOwed = totalAmount * waTaxRate;
            return taxOwed;
        }

        1 reference
        public void CalTaxCalculator()
        {
            decimal totalAmount = CalWASalesTax();
            decimal taxOwed = WATaxOweCalculator(totalAmount);

            Console.WriteLine($"The original purchase amount: {totalAmount:C}");
            Console.WriteLine($"Total Sales Tax Amount: {taxOwed:C}");
            Console.WriteLine($"Total Sales and Sales Tax Amount: {(totalAmount + taxOwed):C}");
            Console.ReadLine();
        }
    }
}
```

No issues found