Program console

```
C:\ITM320\itm320\week3_hw2a\bin\Debug\week3_hw2a.exe
                                                                                                                                                              and 2.5
                                                                                                                                IIa.
     Please enter the height in ft and inch comma separated form such as 6,2.5 for 6ft 2.5" and 6,0 for 6ft even.
                                                                                                                                                               to inche
 The height is 74 inches.

Please enter the weight in pounds.

See 250
                                                                                                                                                              the user
     BMI is 32.09.
The BMI result of input physique is considered as clinically Obese.
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```
9
         ITM320 HW2a
         BMI 18.5 - 24.99 = Normal Weight
         BMI > 30 = Clinically Obese
29 Enamespace week3_hw2a
         0 references
31 F
         class Program
             0 references
             static void Main(string[] args)
                 // Get input height
                Console.WriteLine("Please enter the height in ft and inch comma separated form such as 6,2.5 for 6ft 2.5\" and 6,0 for 6ft even.");
                 string userInputHeight = Console.ReadLine();
                 var inputList = userInputHeight.Split(params separator: ',').ToList();
                HeightConverter convertHeight = new HeightConverter();
                 double userHeightInch = convertHeight.HeightConversion(foot:Convert.ToInt16(inputList[0]), inch:Convert.ToDouble(inputList[1]));
                Console.WriteLine($"The height is {userHeightInch} inches.");
                Console.WriteLine("Please enter the weight in pounds.");
                 double userWeightPound = Convert.ToDouble(Console.ReadLine());
                 // Calculate BMI
                 BMICalculator myBmiCalculator = new BMICalculator();
                 double userBMI = Math.Round(myBmiCalculator.CalculateBMI(userHeightInch, userWeightPound), 2);
                Console.WriteLine($"BMI is {userBMI}.");
                 BMIRangeDiagnostic myBmiRangeDiagnostic = new BMIRangeDiagnostic();
                Console.WriteLine($"The BMI result of input physique is considered as {myBmiRangeDiagnostic.DetermineBMIDiagnosis(userBMI)}");
                 Console.ReadLine();
```

```
using System.Collections.Generic;
    using System.Linq;
    using System.Text;
    using System. Threading. Tasks;
7 Enamespace week3_hw2a
        class BMIRangeDiagnostic
9 🗐
             1 reference
            public string DetermineBMIDiagnosis(double bmi)
11 🗓 ;
                string result;
                if (bmi < 18.5)
14
                    result = "clinically Underweight.";
                else if (bmi >= 18.50 && bmi <=24.99)
18 🖻
                    result = "normal Weight.";
                else if (bmi >= 25 && bmi <= 29.99)
22
                    result = "clinically overweight.";
                 else
26 📋
                    result = "clinically Obese.";
                return result;
```

```
7 🗐 namespace week3_hw2a
        class HeightConverter
            public double HeightConversion(int foot, double inch)
11 🖽
                const int footToInch = 12;
                double totalInch = (footToInch * foot) + inch;
                return totalInch;
```