Create a BMI (Body Mass Index Calculator) calculator app that reads the user's weight in pounds and height in inches (or, if you prefer, the user's weight in kilograms and height in meters), then calculates and displays the user's body mass index. The app should also display the following information from the Department of Health and Human Services/ National Institutes of Health so the user can evaluate his/her BMI:

BMI VALUES

Underweight: less than 18.5

Normal: Between 18.5 and 24.9

Overweight: between 25 and 29.9

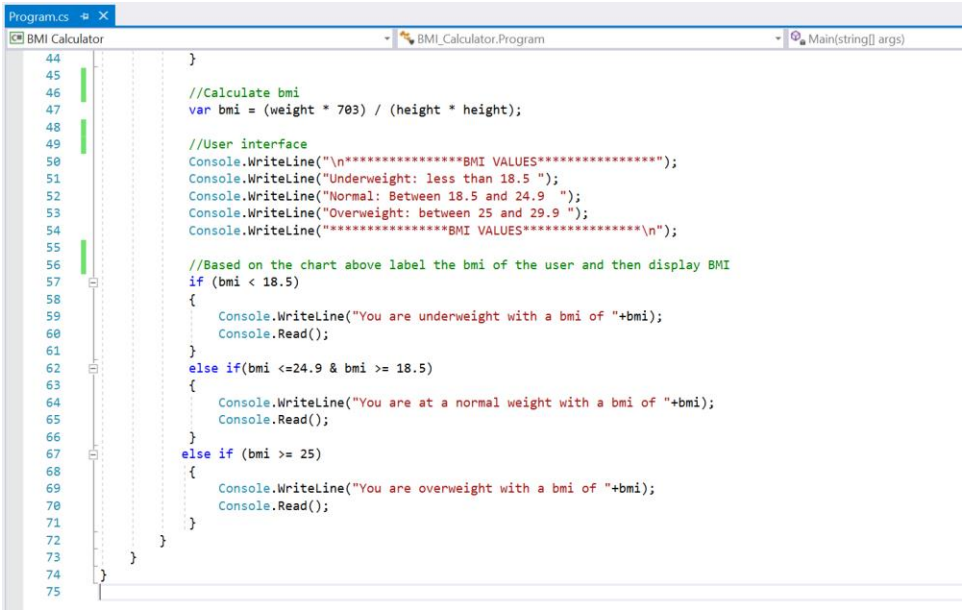
Part 1: Code

Program.cs

BMI Calculator | BMI_Calculator.Program | Main(string[] args)

```
//Project #1

/*
 *
 * Author: Gabriel Vega
 * Title: BMI Calculator
 * Description: This application will read the height and weight
 * of a user. Then if will calculate the BMI for the user to
 * compare to the chart printed to the screen.
 *
 */

using System;

namespace BMI_Calculator
{
    class Program
    {
        static void Main(string[] args)
        {
            int weight; //declare int for weight
            int height; //declare an int for height

            //Prompt the user for weight and height and assign that value to variables
            Console.WriteLine("Please Enter Your Weigth In Pounds:");
            weight = int.Parse(Console.ReadLine());
            Console.WriteLine("Please Enter Your Height In Inches:");
            height = int.Parse(Console.ReadLine());

            // Validate weight and height are positive numbers
            while (weight <= 0)
            {
                //prompt the user for weight again
                Console.WriteLine("Weight Must Be A Positive Number:");
                Console.WriteLine("Please Enter Your Weigth In Pounds:");
                weight = int.Parse(Console.ReadLine());
            }
            while (height <= 0)
            {
                //prompt the user for height again
                Console.WriteLine("Height Must Be A Positive Number:");
                Console.WriteLine("Please Enter Your Height In Inches:");
                height = int.Parse(Console.ReadLine());
```

100 %



Part 2:

Design:

Requirements:

1. Read the users weight in pounds.
2. Read the users height in inches.
3. Calculates and displays the user's body mass index
4. The app should display the department of health and human services/National institutes of Health so the user can evaluate his/her BMI:

Pseudocode:

int weight;

int height;

Double bmi;

Prompt the user for weight;

Assign weight

Prompt the user for height;

Assign height

Validate user entered data.

Calculate BMI and assign bmi

Display data for bmi evaluation

Display user bmi

Part3:

UI and Output