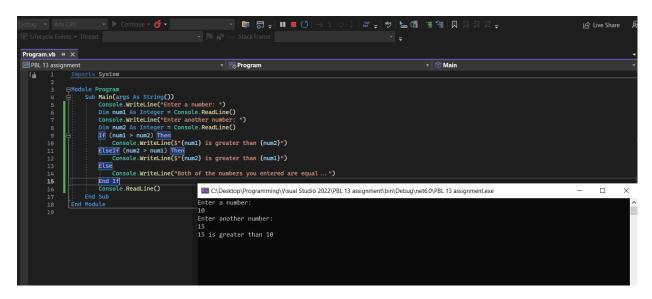
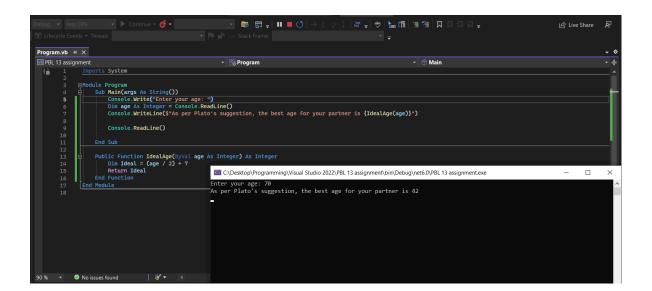
1. Write a program that uses a function called *Min* that returns the smallest of two integers.



2. According to Plato, a man should marry a woman whose age is half his age plus seven years. Write a program that requests a man's age as input and gives the ideal age of his wife. The function *IdealAge* will accept the man's age as the parameter and returns the ideal age of wife.

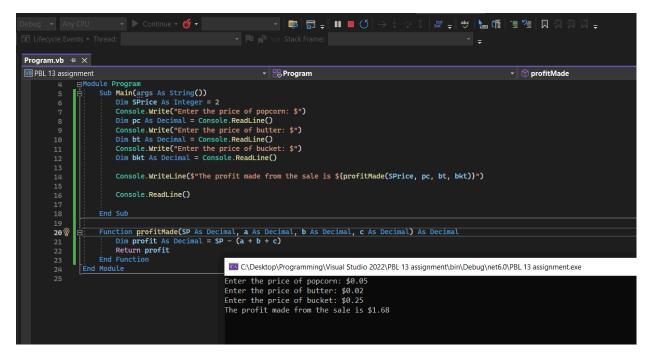


3. To check a Triangle, the program reads three angles as real numbers, checks by adding the angles to confirm that their sum is equal to 180 degrees.

Write the function *Triangle* that takes the three angles as parameters and return a Boolean result.

4. The three ingredients for a serving of popcorn at a movie theater are popcorn, butter substitute, and a bucket. Write a program that requests the cost of these three items and the price of the serving as input and then displays the profit.

( Test the program where the popcorn costs 5 cents, butter substitute costs 2 cents, the bucket costs 25 cents, and the selling price is \$2The function *Costing* will accept the cost and price as parameters



and returns the profit amount.