

Exercise – Operators

First are quick review questions that you should write down the answers for in a document. The second part is practical exercises. Both are important for your learning and to help you retain the concepts.

Review Questions

1. What does the addition operator do?
2. What does the subtraction and assignment operator do?
3. What does the increment operator do?
4. What can modulo be used for?
5. How can we increase a variables value by 10?
6. Can we add two strings together?
7. What happens to the decimal value if you divide an int by some number and there is a remainder left over?
8. Consider the following:
`float myVariable;`
`myvariable = 5 / 3;`

What would the value of myVariable be?
Explain your answer:
9. What is the best way to find an odd number?

Practical Exercise

Create a new C# Console Application within Visual Studio and call your project **OperatorsExercise**. Let's do some code in the **Main** function:

1. Create an **int** called **score**, and set it' value to 15.
2. On the next line, add 15 to the value of score using the **Addition and Assignment** operator.
3. Create a **float** called **comboMultiplier**. Set it's value to 3.
4. On the next line, multiply the value of **score** by **comboMultiplier**.

5. On the next line, use the **increment** operator on **score** to increase it's value.
6. On the next line, use the **decrement** operator on **score** to decrease it's value.
7. Create an **int** called **myAnswer**.
 - a. Set it's initial value to 0;
 - b. On the next line, change it's value to: $5 + 3 * 10$
 - c. Put (**)parentheses** around part of the equation so that the answer will be **80**
 - d. Print out your answer to the console to make sure you are correct