

Exercise – Loops

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. Describe what a loop is:
2. Write an example of a **while loop**:
3. Write an example of a **for loop**:
4. What does the word **break** do when used inside a loop?
5. What does the word **return** do when used inside a loop?
6. What are loops generally used for?

Practical Exercise

Create a new C# console application called **LoopsExercise**.

1. Inside the **Main** function of your Program class:
 - a. Create a **while loop**
 - b. Make it run 10 times
 - c. Every time it runs, print out how many times it has run
2. Now create a **for loop**
 - a. Make it run 20 times
 - b. Every time it runs, print out how many times it has run
3. Create a variable called score in your **Main** function. Then, inside one of your loops:
 - a. If score is less than 100, add 20 to score
 - b. If score is greater than 100, break out of the loop