Introduction to Conditional Statements

In this lesson, we will discuss conditional statements. Sit tight as programming is going to get a lot more interesting now.

We'll cover the following

- Conditional statements
- Why use conditional statements?
- Types of conditional statements

Conditional statements

In our daily life, we make decisions based on certain conditions. For example:

If it rains, I will take an umbrella to the office, otherwise not.

If mom gives me $20, I will buy a watch, otherwise not.

Similarly, a computer program can decide whether to execute a particular block of code or not based on the evaluation of certain conditions. The statements which are used in combination with these conditions, helping a program make a logical decision, are called ***conditional statements*** *or* ***decision-making statements****.*

Why use conditional statements?

Generally, the C++ compiler executes the statements sequentially (starting from the first statement and running the statements in the order in which they are written). Whenever we run our program, it will give us the same results on execution. But hey, we live in the modern era where we like to have options!

Therefore, we use conditional statements that evaluate the specified conditions and depending upon the result of the evaluation, may cause a change in the flow of execution of a computer program.

Types of conditional statements

C++ supports the following conditional statements:

- If statement
- If-else statement
- Nested else-if statement
- Switch statement

Quiz

Q C++ program executes the statements sequentially.

Retake Quiz

Let’s discuss each of these conditional statements in the upcoming lessons.

See you there!