Conditional or Ternary Operator (?:) in C/C++

The conditional operator is kind of similar to the [if-else statement](https://www.geeksforgeeks.org/decision-making-c-c-else-nested-else/) as it does follow the same algorithm as of [if-else statement](https://www.geeksforgeeks.org/decision-making-c-c-else-nested-else/) but the conditional operator takes less space and helps to write the if-else statements in the shortest way possible.

**Syntax:**  
The conditional operator is of the form

variable = Expression1 ? Expression2 : Expression3

It can be visualized into if-else statement as:

if(Expression1)

{

variable = Expression2;

}

else

{

variable = Expression3;

}

Since the Conditional Operator ‘?:’ takes three operands to work, hence they are also called **ternary operators**.

**Working:**  
Here, **Expression1** is the condition to be evaluated. If the condition(**Expression1**) is True then **Expression2**will be executed and the result will be returned. Otherwise, if the condition(**Expression1**) is false then **Expression3**will be executed and the result will be returned.

And if **Expression1** return 0(zero), then **Expression3** will be evaluated always.

Since 0(zero) means **false** and 1(one) means **True**.