

# C++ Conditional Operator

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 [c4learn.com/cplusplus/cpp-conditional-operator/](https://c4learn.com/cplusplus/cpp-conditional-operator/)

1. Conditional operators are also called as Ternary Operator.
2. They are represented by ?:
3. Ternary Operator takes on 3 Arguments.

## Syntax of Ternary Operator:

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Expression\_1 ? Expression\_2 : Expression\_3

where

- Expression\_1 is Condition
- Expression\_2 is statement followed if Condition is True
- Expression\_3 is statement followed if Condition is False

### Explanation of syntax:

1. Expression\_1 is a condition so it will return the result either True or False.
2. If result of expression\_1 is True that is NON-ZERO, then Expression\_2 is Executed.
3. If result of expression\_1 is False that is ZERO, then Expression\_3 is Executed.

## Program 1#: Conditional Operator Program

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Let us take the simple example of finding greater number from two given numbers using Conditional Operator.

```
#include<iostream>
using namespace std;

int main()
{
    int num1=10;
    int num2=20;

    num1>num2 ? cout << "num1 is greater than num2" : cout<< "num2 is greater than num1" ;

    return 0;
}
```

### Output:

num2 is greater than num1