

C++ RELATIONAL OPERATORS

http://www.tutorialspoint.com/cplusplus/cpp_relational_operators.htm

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Try the following example to understand all the relational operators available in C++.

Copy and paste the following C++ program in test.cpp file and compile and run this program.

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

main()
{
    int a = 21;
    int b = 10;
    int c ;

    if( a == b )
    {
        cout << "Line 1 - a is equal to b" << endl ;
    }
    else
    {
        cout << "Line 1 - a is not equal to b" << endl ;
    }
    if ( a < b )
    {
        cout << "Line 2 - a is less than b" << endl ;
    }
    else
    {
        cout << "Line 2 - a is not less than b" << endl ;
    }
    if ( a > b )
    {
        cout << "Line 3 - a is greater than b" << endl ;
    }
    else
    {
        cout << "Line 3 - a is not greater than b" << endl ;
    }
    /* Let's change the values of a and b */
    a = 5;
    b = 20;
    if ( a <= b )
    {
        cout << "Line 4 - a is either less than \
                    or euqal to  b" << endl ;
    }
    if ( b >= a )
    {
        cout << "Line 5 - b is either greater than \
                    or equal to b" << endl ;
    }
    return 0;
}
```

When the above code is compiled and executed, it produces the following result:

```
Line 1 - a is not equal to b
Line 2 - a is not less than b
Line 3 - a is greater than b
Line 4 - a is either less than or euqal to  b
Line 5 - b is either greater than or equal to b
```