



GHANA COMMUNICATION
TECHNOLOGY UNIVERSITY

INSTITUTE OF CONTINUING
AND DISTANCE EDUCATION (ICDE)

COURSE CODE	CICS 112
COURSE TITLE	Programming with C++
NAME	Agbenyo Delator Rogers
STUDENT ID	2425140023
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THE QUESTION

Write a C++ program to print whether a number is the greatest or not by using one if inside another if statement.

THE SOURCE CODE

```
#include <iostream>

using std::cin;
using std::cout;

int main()
{
    int x, y, z;

    cout << "\n\n==== To Determine Greatest Number =====\n\n";

    cout << "Enter three numbers: ";
    cin >> x >> y >> z;

    if (x >= y && x >= z)
    {
        cout << x << " is the greatest.";
    }
    else if (y >= x && y >= z)
    {
        cout << y << " is the greatest.";
    }
    else
    {
        cout << z << " is the greatest.";
    }

    cout << "\n\n";

    return 0;
}
```

SCREENSHOT OF THE SOURCE CODE

```
C++ main.cpp U X
main()
1  #include <iostream>
2
3  using std::cin;
4  using std::cout;
5
6  int main()
7  {
8      int x, y, z;
9
10     cout << "\n\n===== To Determine Greatest Number =====\n\n";
11
12     cout << "Enter three numbers: ";
13     cin >> x >> y >> z;
14
15     if (x >= y && x >= z)
16     {
17         cout << x << " is the greatest.";
18     }
19     else if (y >= x && y >= z)
20     {
21         cout << y << " is the greatest.";
22     }
23     else
24     {
25         cout << z << " is the greatest.";
26     }
27
28     cout << "\n\n";
29
30     return 0;
31 }
32
```

SCREENSHOT OF THE OUTPUT

```
delanyo@thedelanyo MINGW64 /d/dev/gctu_projects/second_sem/cpp/greatest_number (main)
● $ ./main

=====   To Determine Greatest Number   =====

Enter three numbers: 9 18 20
20 is the greatest.

delanyo@thedelanyo MINGW64 /d/dev/gctu_projects/second_sem/cpp/greatest_number (main)
● $ ./main

=====   To Determine Greatest Number   =====

Enter three numbers: 17 16 1
17 is the greatest.

delanyo@thedelanyo MINGW64 /d/dev/gctu_projects/second_sem/cpp/greatest_number (main)
● $ ./main

=====   To Determine Greatest Number   =====

Enter three numbers: 0 1 -19
1 is the greatest.

delanyo@thedelanyo MINGW64 /d/dev/gctu_projects/second_sem/cpp/greatest_number (main)
○ $
```