COURSE CODE	CICS 112
COURSE TITLE	Programming with C++
NAME	Agbenyo Delator Rogers
STUDENT ID	2425140023
DATE	19th August, 2025

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

```cpp
#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

```cpp
#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 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)
$
```