



GHANA COMMUNICATION
TECHNOLOGY UNIVERSITY

INSTITUTE OF CONTINUING
AND DISTANCE EDUCATION (ICDE)

COURSE CODE	CICS 112
COURSE TITLE	Programming with C++
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THE QUESTION

Write a C++ program to check whether an integer entered by a user is positive or negative number.

NB: The program should consider 0 as a positive number.

THE SOURCE CODE

```
#include <iostream>
#include <string>

using std::cin;
using std::cout;
using std::to_string;
using string_t = std::string;
```

```
int main()
{
    int number;
    string_t message;

    cout << "\n\n----- POSITIVE NUMBER ZERO INCLUSIVE ----- \n\n";

    cout << "Enter a number:\n";
    cin >> number;

    if (number >= 0)
    {
        message = to_string(number) + " is a positive number.";
    }
    else
    {
        message = to_string(number) + " is a negative number.";
    }

    cout << "\n\n"
         << message << "\n\n";

    return 0;
}
```

SCREENSHOT OF THE SOURCE CODE

```
C++ main.cpp U X
main()
9  int main()
13      string_t message;
14
15      cout << "\n\n----- POSITIVE NUMBER ZERO INCLUSIVE ----- \n\n";
16
17      cout << "Enter a number:\n";
18      cin >> number;
19
20      if (number >= 0)
21      {
22          message = to_string(number) + " is a positive number.";
23      }
24      else
25      {
26          message = to_string(number) + " is a negative number.";
27      }
28
29      cout << "\n\n"
30           << message << "\n\n";
31
32      return 0;
33  }
```

main* 0 0 Ln 19, Col 1 Spaces: 5 UTF-8 CRLF {} C++

SCREENSHOT OF THE OUTPUT

```
delanyo@thedeLanyo MINGW64 /d/dev/gctu_projects/second_semester/cpp (main)
$ cd zero_positive_number

delanyo@thedeLanyo MINGW64 /d/dev/gctu_projects/second_semester/cpp/zero_positive_number (main)
• $ ./main

----- POSITIVE NUMBER ZERO INCLUSIVE -----

Enter a number:
0

0 is a positive number.

delanyo@thedeLanyo MINGW64 /d/dev/gctu_projects/second_semester/cpp/zero_positive_number (main)
• $ ./main

----- POSITIVE NUMBER ZERO INCLUSIVE -----

Enter a number:
3

3 is a positive number.

delanyo@thedeLanyo MINGW64 /d/dev/gctu_projects/second_semester/cpp/zero_positive_number (main)
• $ ./main

----- POSITIVE NUMBER ZERO INCLUSIVE -----

Enter a number:
-2

-2 is a negative number.
```

main* 0 0