



GHANA COMMUNICATION
TECHNOLOGY UNIVERSITY

INSTITUTE OF CONTINUING
AND DISTANCE EDUCATION (ICDE)

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| COURSE CODE | CICS 112 |
| COURSE TITLE | PROGRAMMING WITH C++ |
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| DATE | 2 nd August, 2025 |

QUESTION:

Write a C++ program to check whether an integer entered is a positive, negative or zero.

The solution

```
#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 ----- \n\n";

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

    if (number == 0)
    {
        message = "That's zero. Lol _(:.";
    }
    else if (number > 0)
    {
        message = to_string(number) + " is a positive.";
    }
    else
    {
        message = to_string(number) + " is a negative.";
    }

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

    return 0;
}
```

Screenshot of the source code

```
C++ main.cpp X
...
1  #include <iostream>
2  #include <string>
3
4  using std::cin;
5  using std::cout;
6  using std::to_string;
7  using string_t = std::string;
8
9  int main()
10 {
11
12     int number;
13     string_t message;
14
15     cout << "\n\n----- POSITIVE NUMBER ----- \n\n";
16
17     cout << "Enter a number:\n";
18     cin >> number;
19
20     if (number == 0)
21     {
22         message = "That's zero. Lol _:(.";
23     }
24     else if (number > 0)
25     {
26         message = to_string(number) + " is a positive.";
27     }
28     else
29     {
30         message = to_string(number) + " is a negative.";
31     }
32
33     cout << "\n\n"
34         << message << "\n\n";
35
36     return 0;
37 }
```

Screenshot of the output



```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  SPELL CHECKER

delanyo@thedelanyo MINGW64 /d/dev/cpp/gctu/positive_number
● $ ./main

----- POSITIVE NUMBER -----

Enter a number:
1

1 is a positive.

4

delanyo@thedelanyo MINGW64 /d/dev/cpp/gctu/positive_number
● $ ./main

----- POSITIVE NUMBER -----

Enter a number:
-2

-2 is a negative.

delanyo@thedelanyo MINGW64 /d/dev/cpp/gctu/positive_number
○ $
```