

PROGRAM-04: WAP to show the effect of default arguments can be alternatively achieved by overloading.

CODE:

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

// defining the default arguments
void display(char = '*', int = 3);

int main() {
    int count = 5;

    cout << "No argument passed: ";
    // *, 3 will be parameters
    display();

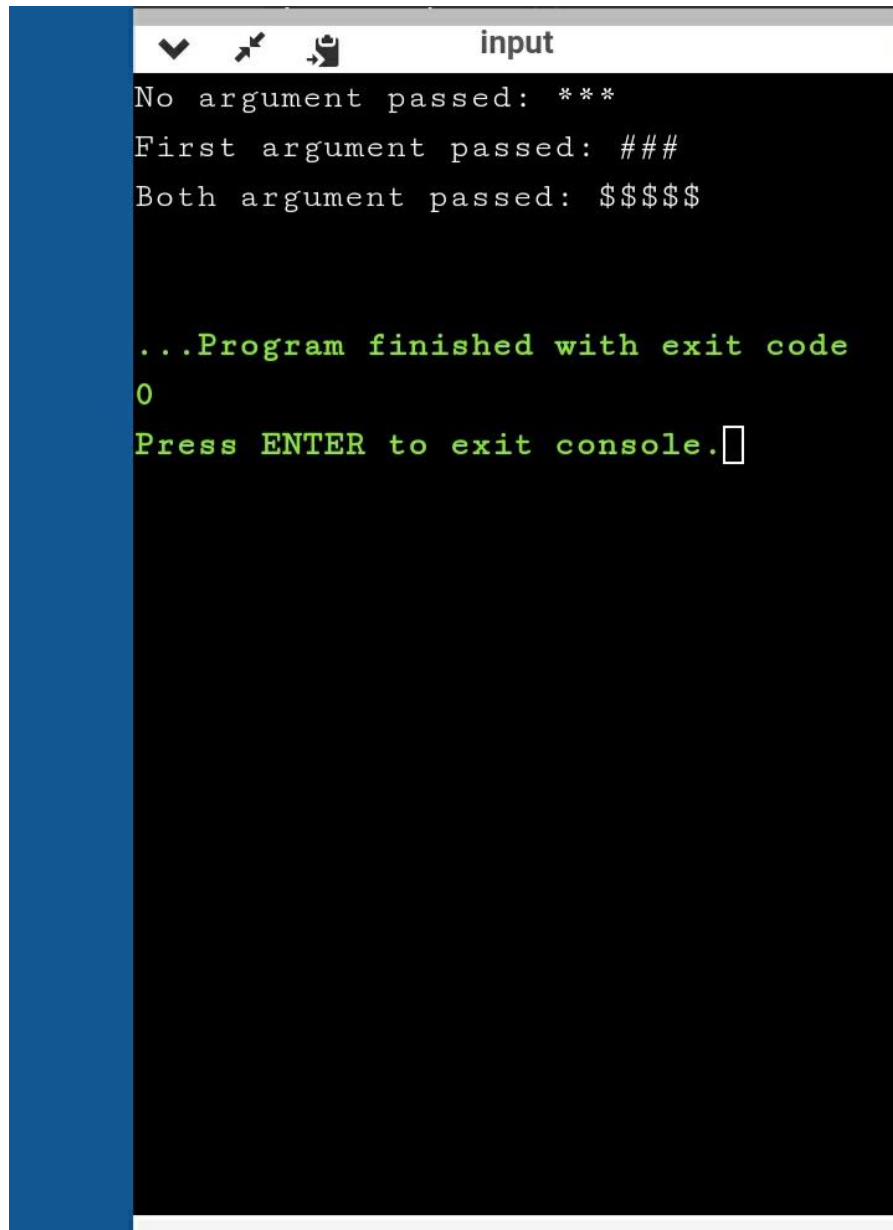
    cout << "First argument passed: ";
    // #, 3 will be parameters
    display('#');

    cout << "Both arguments passed: ";
    // $, 5 will be parameters
    display('$', count);

    return 0;
}

void display(char c, int count) {
    for(int i = 1; i <= count; ++i)
    {
        cout << c;
    }
    cout << endl;
}
```

OUTPUT:

A screenshot of a terminal window with a title bar that says "input". The terminal has a black background with white text. The output shows three lines of status messages: "No argument passed: ***", "First argument passed: ###", and "Both argument passed: \$\$\$\$\$". Below these, there is a green message: "...Program finished with exit code 0". At the bottom, another green message says "Press ENTER to exit console." followed by a small white square icon. A solid blue vertical bar is on the left side of the terminal window.

```
input
No argument passed: ***
First argument passed: ###
Both argument passed: $$$$$

...Program finished with exit code
0
Press ENTER to exit console.□
```