

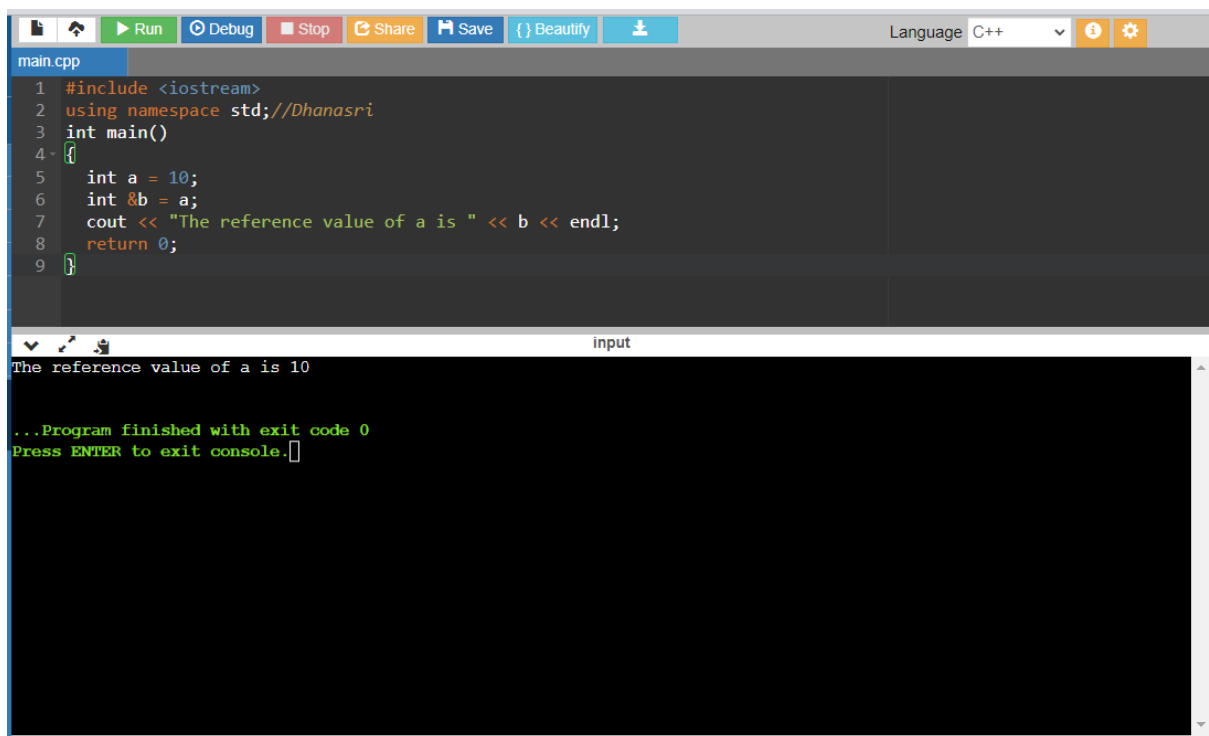
The screenshot shows a C++ IDE with a toolbar at the top containing icons for Run, Debug, Stop, Share, Save, Beautify, and a user profile. The language is set to C++. The code in main.cpp is as follows:

```
1 #include <iostream>
2 using namespace std;
3 int main()//Dhanasri
4 {
5     int a = 10;
6     int* p = &a;
7     cout << p << endl;
8 }
```

The output console shows the memory address 0x7ffffbfb81ec and a message indicating the program finished with exit code 0.

```
0x7ffffbfb81ec

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



The screenshot shows the same C++ IDE with a different program in main.cpp:

```
1 #include <iostream>
2 using namespace std;//Dhanasri
3 int main()
4 {
5     int a = 10;
6     int &b = a;
7     cout << "The reference value of a is " << b << endl;
8     return 0;
9 }
```

The output console shows the string "The reference value of a is 10" and a message indicating the program finished with exit code 0.

```
The reference value of a is 10

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

```
main.cpp
1 #include <iostream>
2 using namespace std;
3 int add(int a, int b) {
4     return a + b;
5 }
6 int main() {
7     int x = 10;
8     int y = 20;
9     int z = add(x, y);
10    cout << "z = " << z << endl;
11    return 0;
12 }
```

input

z = 30

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

```
main.cpp
1 #include <iostream>
2 using namespace std;
3 int add(int a, int b) {
4     return a + b;
5 }
6 int multiply(int a, int b) {
7     return a * b;
8 }
9 int divide(int a, int b) {
10    return a / b;
11 }
12 int main() {
13    int a, b;
14    cout << "Enter two numbers: ";
15    cin >> a >> b;
16    int sum = add(a, b);
17    int product = multiply(a, b);
18    int quotient = divide(a, b);
19    cout << "Sum is " << sum << endl;
20    cout << "Product is " << product << endl;
21    cout << "Quotient is " << quotient << endl;
22    return 0;
23 }
```

input

Enter two numbers: 4 5

Sum is 9

Product is 20

Quotient is 0

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