



Management  
Projects Files FSy  
Workspace

Start here x exp2.cpp x

```
1 //Name:- Mohit Sonawane
2 //Roll No:- 2251
3 //Batch:- R2
4 //Course Co-ordinator:- S.A. Wakure
5 //Date:- 16/02/2022
6
7
8 // objective: concept of Function overloading
9
10 #include <iostream>
11 using namespace std;
12
13 void Swap(int &x, int &y)
14 {
15     int t;
16     t = x;
17     x = y;
18     y = t;
19 }
20
21 void Swap(float &f1, float &f2)
22 {
23     float t;
24     t = f1;
25     f1 = f2;
26     f2 = t;
27 }
28
29 void Swap(char &c1, char &c2)
30 {
31     char t;
32     t = c1;
33     c1 = c2;
34     c2 = t;
35 }
36
37 int main()
```

Logs &amp; others

Code::Blocks x Search results x Cccc x Build log x Build messages x CppCheck/Vera++ x CppCheck/Vera++ messages x Cscope x Debugger x DoxyBlocks x Fortran info x Close

C:\Users\sonaw\Desktop\OOP Lab experiment\exp2.cpp

C/C++

Windows (CR+LF)

WINDOWS-1252

Line 67, Col 2, Pos 1731

Insert

Read/Write

default



```
33     c1 = c2;
34     c2 = t;
35 }
36
37 int main()
38 {
39     // For Integer variables
40     int a=25, b=15;
41     cout << "Before swapping value of int a = "<<a<<endl;
42     cout << "Before swapping value of int b = "<<b<<endl<<endl;
43     Swap(a,b);
44     cout << "After swapping value of int a = "<<a<<endl;
45     cout << "After swapping value of int b = "<<b<<endl<<endl;
46     cout << "-----"<<endl;
47
48     // For Float variables
49     float x=6.25, y=12.06;
50     cout << "Before swapping value of float x = "<<x<<endl;
51     cout << "Before swapping value of float y = "<<y<<endl<<endl;
52     Swap(x,y);
53     cout << "After swapping value of float x = "<<x<<endl;
54     cout << "After swapping value of float y = "<<y<<endl<<endl;
55     cout << "-----"<<endl;
56
57     // For Char variables
58     char ch1='p', ch2='q';
59     cout << "Before swapping value of char ch1 = "<<ch1<<endl;
60     cout << "Before swapping value of char ch2 = "<<ch2<<endl<<endl;
61     Swap(ch1,ch2);
62     cout << "After swapping value of char ch1 = "<<ch1<<endl;
63     cout << "After swapping value of char ch2 = "<<ch2<<endl<<endl;
64     cout << "-----"<<endl;
65
66     return 0;
67 }
68
```

"C:\Users\sonaw\Desktop\OOP Lab expriment\exp2.exe"

Before swapping value of int a = 25  
Before swapping value of int b = 15

After swapping value of int a = 15  
After swapping value of int b = 25

-----  
Before swapping value of float x = 6.25  
Before swapping value of float y = 12.06

After swapping value of float x = 12.06  
After swapping value of float y = 6.25

-----  
Before swapping value of char ch1 = p  
Before swapping value of char ch2 = q

After swapping value of char ch1 = q  
After swapping value of char ch2 = p

-----  
Process returned 0 (0x0) execution time : 0.078 s  
Press any key to continue.

■

