

C:\Users\brend\Desktop\CS 150 Workspace\HW01.cpp - Dev-C++ 5.11

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(globals)

TDM-GCC 4.9

[*] HW01.cpp

```
01 //Author : Brendan Kirby
02 //Course : CS 150
03 //Date : 2/16/2018
04 //HW : 1
05 //Project : 1
06
07 #include <iostream>
08
09 using namespace std;
10
11 int main() {
12
13     char response;
14
15     cout << "Are you taking a class? (Y/N): ";
16     cin >> response;
17     cout << endl;
18
19     if (response == 'y' || response == 'Y') {
20
21         cout << "Enter your letter grade for the class: ";
22         cin >> response;
23         cout << endl;
24
25         switch (response) {
26
27             case 'A':
28             case 'a':
29             case 'B':
30             case 'b':
31                 cout << "Great job!" << endl;
32                 break;
33             case 'C':
34             case 'c':
35                 cout << "You're doing alright." << endl;
36                 break;
37             case 'D':
38             case 'd':
39             case 'F':
40             case 'f':
41                 cout << "You can improve." << endl;
42                 break;
43             default:
44                 cout << "Invalid grade." << endl;
45         }
46     }
47     else if (response == 'n' || response == 'N') {
48         cout << "Thanks for using the system." << endl;
49     }
50     else {
51         cout << "Invalid input." << endl;
52     }
53
54     return 0;
55 }
56
57 }
```

Compiler Resources Compile Log Debug Find Results

Line: 56 Col: 17 Sel: 0 Lines: 57 Length: 976 Insert

```
C:\Users\brend\Desktop\CS 150 Workspace\HW01.exe
Are you taking a class? (Y/N): N
Thanks for using the system.
-----
Process exited after 2.173 seconds with return value 0
Press any key to continue . . .
```

```
C:\Users\brend\Desktop\CS 150 Workspace\HW01.exe
Are you taking a class? (Y/N): n
Thanks for using the system.
-----
Process exited after 2.049 seconds with return value 0
Press any key to continue . . .
```

```
C:\Users\brend\Desktop\CS 150 Workspace\HW01.exe
Are you taking a class? (Y/N): Z
Invalid input.

-----
Process exited after 2.433 seconds with return value 0
Press any key to continue . . .
```

```
C:\Users\brend\Desktop\CS 150 Workspace\HW01.exe
Are you taking a class? (Y/N): y
Enter your letter grade for the class: a
Great job!

-----
Process exited after 2.907 seconds with return value 0
Press any key to continue . . .
```

```
C:\Users\brend\Desktop\CS 150 Workspace\HW01.exe
Are you taking a class? (Y/N): Y
Enter your letter grade for the class: B
Great job!

-----
Process exited after 3.681 seconds with return value 0
Press any key to continue . . .
```

```
C:\Users\brend\Desktop\CS 150 Workspace\HW01.exe
Are you taking a class? (Y/N): Y
Enter your letter grade for the class: C
You're doing alright.

-----
Process exited after 2.786 seconds with return value 0
Press any key to continue . . .
```

```
C:\Users\brend\Desktop\CS 150 Workspace\HW01.exe
Are you taking a class? (Y/N): Y
Enter your letter grade for the class: D
You can improve.
-----
Process exited after 2.719 seconds with return value 0
Press any key to continue . . .
```

```
C:\Users\brend\Desktop\CS 150 Workspace\HW01.exe
Are you taking a class? (Y/N): Y
Enter your letter grade for the class: F
You can improve.
-----
Process exited after 4.821 seconds with return value 0
Press any key to continue . . .
```

C:\Users\brend\Desktop\CS 150 Workspace\HW01.exe

Are you taking a class? (Y/N): Y

Enter your letter grade for the class: X

Invalid grade.

Process exited after 2.231 seconds with return value 0
Press any key to continue . . .