





6.cpp - Week 11 - Visual Studio Code

File Edit Selection View Go Run Terminal Help

Get Started 1.cpp U 2.cpp U 6.cpp U X

```
1 // write a C++ program to implement multiple try catch exception for any given condition.
2
3 #include <iostream>
4 using namespace std;
5 void test(int x)
6 {
7     try
8     {
9         if (x > 0)
10             throw x;
11         else if (x < 0)
12             throw "A";
13         else
14             throw true;
15     }
16     catch (int x)
17     {
18         cout << "Exception : Number Greater Than 0." << endl;
19     }
20     catch (char x)
21     {
22         cout << "Exception : Number Less Than 0." << endl;
23     }
24     catch (...)
25     {
26         cout << "Equals to 0" << endl;
27     }
28 }
29
30 int main()
31 {
32     cout << "Testing Multiple Catches : " << endl;
33     test(-10);
34     test(10);
35     test(0);
36     return 0;
37 }
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL GITLENS SQL CONSOLE JUPYTER

Code + -

```
> cd "d:\000P\000P\week 11\" ; if ($?) { g++ 6.cpp -o 6 } ; if ($?) { .\6 }
Testing Multiple Catches :
Exception : Number Less Than 0.
Exception : Number Greater Than 0.
Equals to 0
PS D:\000P\000P\week 11>
```

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Visual Studio Code interface showing a C++ program for exception handling.

File Explorer: 7.cpp

Code Editor:

```
1 // 7. Write a C++ program to demonstrate re throw exception within exception handler.
2
3 #include <iostream>
4 using namespace std;
5
6 void exceptionFunction(){
7     try{
8         throw 0;
9     }
10    catch(int i){
11        cout<<"\n In Function : Wrong Input..! "<<i;
12        throw 1;
13    }
14 }
15
16 int main(){
17     int v=0;
18     try{
19         exceptionFunction();
20     }
21     catch(int x){
22         cout<<"\n In Main : Wrong Input..! "<<x;
23     }
24     return 0;
25 }
```

Terminal:

```
In Function : Wrong Input..! 0
In Main : Wrong Input..! 1
PS D:\000P\000P\Week 11>
```

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