

Catalog of Errors

Problem Description:

The purpose of this exercise is to take a working program and introduce simple errors, one at a time and see what error messages are generated by the compiler. We will then create a "Catalog of Errors" that will show the error messages generated for a particular error. An easy way to do this assignment is to open a Notepad window for your catalog. As you introduce errors and get error messages, just copy the errors from the error window and paste then into the notepad window. An entry in your catalog should look like the example output shown below.

Make sure that you only have one error in the program at a time. That means you should correct the last error before putting in the next error. Hand in the source code for the program and a printout of your notepad file that has all of the errors and a list of compiler messages that the error causes. Do not just hand in a bunch of error messages, I need to see what error in the program causes the errors in the output. Note in the below example I can see that the two error messages were the result of omitting the begin angle bracket on the include directive.

Example Output:

b) omit < from include directive

```
c:\consoleapp\consoleapp\lunar.cpp(1) : error C2006: #include expected a filename, found 'identifier'
```

```
c:\consoleapp\consoleapp\lunar.cpp(1) : error C2006: #include expected a filename, found 'identifier'
```

Required Test Cases:

- a) Omit a semicolon from the end of a line.
- b) Omit the "<" from the line "#include <iostream>".
- c) Omit the "{" in the line following "int main()".
- d) Omit the "<<" on a line that has a "cout" statement.
- e) Remove the entire line "#include <iostream>".
- f) Omit the last "}" in the program.
- g) Add a line that has just the number 33.
- h, i, & j) Try three errors of your own.

Skills:

•Var •Con I/O ◦Format ◦Logic ◦Loops ◦Functions ◦Call by Ref ◦File I/O ◦Arrays ◦Strings ◦GM