Common Errors

- f you forget to insert a beginning or a corresponding ending program block identifier

({ or }), you will see error messages similar to those in Figure 1.13. In the example below,

I have intentionally neglected to use the beginning program block identifier ({) after the

main() function name.

error message :

----

c2.c:5:1: error: expected declaration specifiers before '}' token

  5 | }

  | ^

 c2.c:6: error: expected '{' at end of input

----

2 .Common Error #2: Missing Statement Terminators

a common error message generated by a few common scenarios. This type

of parse error can be generated for a couple of reasons. In addition to missing program block

identifiers, parse errors can occur because of missing statement terminators (semicolons).

error message :

c2.c: In function 'main':

c2.c:4:45: error: expected ';' before '}' token

```
   4 |        printf("Welcome to C Programming\n")
     |                                            ^
     |                                            ;
   5 | }
     | ~
```

3. Common Error #3: Invalid Preprocessor Directives

f you type an invalid preprocessor directive, such as misspelling a library name, you will

receive an error message

error message :

c2.c:1:10: fatal error: stidio.h: No such file or directory

   1 | #include <stidio.h>

    | ^~~~~~~~~~

compilation terminated.

4. Common Error #4: Invalid Escape Sequences

When using escape sequences it is common to use invalid characters or invalid character sequences. For example, Figure 1.16 depicts an error generated by an invalid escape

sequence.

error message :

c2.c: In function 'main':

c2.c:4:44: warning: unknown escape sequence: '\m'

   4 | printf("Welcome to C Programming\m");

    | ^

5. Common Error #5: Invalid

Comment Blocks

As mentioned earlier in the comment section of this chapter, invalid comment blocks can

generate compile errors

error message :

c2.c: In function 'main':

c2.c:4:2: error: expected expression before '/' token

   4 | */ This demonstrates a common error with comment blocks /*

    | ^

c2.c:4:57: error: unterminated comment

   4 | */ This demonstrates a common error with comment blocks /*

    | ^

c2.c:4:2: error: expected declaration or statement at end of input

   4 | */ This demonstrates a common error with comment blocks /*

    | ^