Slay Some Earthly Demons XIII

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Undefined Behavior: Partial comment at the end of a file. (J.2 (2), N3301)

Analysis: Partial comments at the end of the file are rejected by most compilers.

Godbolt Link: Example

Recommendation: Make it a constraint violation.

Wording

5.2.1.2 Translation phases

3. The source file is decomposed into preprocessing tokens4) and sequences of white-space characters (including comments). ~~A source file shall not end in a partial preprocessing token or in a partial comment.~~ Each comment is replaced by one space character. New-line characters are retained. Whether each nonempty sequence of white-space characters other than new-line is retained or replaced by one space character is implementation-defined

6.4.1 General

Constraints

2 Each preprocessing token that is converted to a token shall have the lexical form of a keyword, an identifier, a constant, a string literal, or a punctuator. **A source file shall not end in a partial preprocessing token.** A single universal character name shall match one of the other preprocessing token categories.

6.4.10 Comments

Constraints

1 A source file shall not end in a partial comment.

Acknowledgment: The UB Study group for comments.