

**assert.cm**

```
/*  
  
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    http://sourceforge.net/projects/cmajor/  
  
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    (See accompanying LICENSE.txt or http://www.gnu.org/licenses/gpl.html  
    )  
  
*/  
  
// Copyright (c) 1994  
// Hewlett-Packard Company  
// Copyright (c) 1996  
// Silicon Graphics Computer Systems, Inc.  
// Copyright (c) 2009 Alexander Stepanov and Paul McJones  
  
namespace System.Support  
{  
    public const int EXIT.SUCCESS = 0;  
    public const int EXIT.FAILURE = 1;  
  
    public nothrow void FailAssertion(const char* expression, const char*  
        file, const char* line)  
    {  
        Write(stderr, "assertion ");  
        Write(stderr, expression);  
        Write(stderr, "' failed in file ");  
        Write(stderr, file);  
        Write(stderr, " at line ");  
        Write(stderr, line);  
        Write(stderr, "\n");  
        begin_capture_call_stack();  
        Write(stderr, capture_call_stack());  
        end_capture_call_stack();  
        exit(EXIT.FAILURE);  
    }  
}
```