

**NAME**

assert — program verification

**SYNOPSIS**

```
#include <assert.h>
```

```
assert (expression)
```

**DESCRIPTION**

This macro is useful for putting diagnostics into programs. When it is executed, if *expression* is false, it prints "Assertion failed: file *xyz* line *nnn*" on the standard error file and exits. *xyz* is the source file and *nnn* the source line number of the *assert* statement. Compiling with the option `-DNDEBUG` will cause *assert* to be ignored.