

C Library - <assert.h>


The **assert.h** header file of the C Standard Library provides a macro called **assert** which can be used to verify assumptions made by the program and print a diagnostic message if this assumption is false.

The defined macro **assert** refers to another macro **NDEBUG** which is not a part of <assert.h>. If **NDEBUG** is defined as a macro name in the source file, at the point where <assert.h> is included, the **assert** macro is defined as follows –

```
#define assert(ignore) ((void)0)
```

Library Macros

Following is the only function defined in the header assert.h –

Sr.No.	Function & Description
1	<code>void assert(int expression)</code>  This is actually a macro and not a function, which can be used to add diagnostics in your C program.