

Fondamenti di Informatica II e Lab.

La libreria `<stdbool.h>`

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Boolean type support library

The C programming language, as of C99, supports Boolean arithmetic with the built-in type `_Bool`. When the header `<stdbool.h>` is included, the Boolean type is also accessible as `bool`.

Standard logical operators `&&`, `||`, `!` can be used with the Boolean type in any combination.

A program may undefine and perhaps then redefine the macros `bool`, `true` and `false`.

Macros

Macro name	Expands to
<code>bool</code>	<code>_Bool</code>
<code>true</code>	integer constant 1
<code>false</code>	integer constant 0
<code>bool_true_false_are_defined</code>	integer constant 1