3.4
behavior

external appearance or action

3.4.1

implementation-defined behavior

unspecified behavior where each implementation documents how the choice is made

EXAMPLE

An example of implementation-defined behavior is the propagation of the high-order bit when a signed integer is shifted right.

3.4.2
locale-specific behavior

behavior that depends on local conventions of nationality, culture, and language that each implementation documents

EXAMPLE

An example of locale-specific behavior is whether the `islower` function returns true for characters other than the 26 lowercase Latin letters.

3.4.3

undefined behavior

behavior, upon use of a nonportable or erroneous program construct or of erroneous data, for which this International Standard imposes no requirements

NOTE Possible undefined behavior ranges from ignoring the situation completely with unpredictable results, to behaving during translation or program execution in a documented manner characteristic of the environment (with or without the issuance of a diagnostic message), to terminating a translation or execution (with the issuance of a diagnostic message).

EXAMPLE

An example of undefined behavior is the behavior on integer overflow.

3.4.4

unspecified behavior

use of an unspecified value, or other behavior where this International Standard provides two or more possibilities and imposes no further requirements on which is chosen in any instance

EXAMPLE

An example of unspecified behavior is the order in which the arguments to a function are evaluated.