description of each wide-character function simply refers the reader to the corresponding function found elsewhere.

- If some aspect of a function's behavior is described as *implementation-defined*, that means that it depends on how the C library is implemented. The function will always behave consistently, but the results may vary from one system to another. (In other words, check the manual to see what happens.) *Undefined* behavior, on the other hand, is bad news: not only may the behavior vary between systems, but the program may act strangely or even crash.
- The descriptions of many `<math.h>` functions refer to the terms *domain error* and *range error*. The way in which these errors are indicated changed between C89 and C99. For the C89 treatment of these errors, see Section 23.3. For the C99 treatment, see Section 23.4.
- The behavior of the following functions is affected by the current locale:

`<ctype.h>`	All functions
`<stdio.h>`	Formatted input/output functions
`<stdlib.h>`	Multibyte/wide-character conversion functions, numeric conversion functions
`<string.h>`	`strcoll`, `strxfrm`
`<time.h>`	`strftime`
`<wchar.h>`	`wcscoll`, `wcsftime`, `wcsxfrm`, formatted input/output functions, numeric conversion functions, extended multibyte/wide-character conversion functions
`<wctype.h>`	All functions

The `isalpha` function, for example, usually checks whether a character lies between `a` and `z` or `A` and `Z`. In some locales, other characters are considered alphabetic as well.

---

abort *Abort Program* `<stdlib.h>`

```
void abort(void);
```

Raises the `SIGABRT` signal. If the signal isn't caught (or if the signal handler returns), the program terminates abnormally and returns an implementation-defined code indicating unsuccessful termination. Whether output buffers are flushed, open streams are closed, or temporary files are removed is implementation-defined.

26.2

---

abs *Integer Absolute Value* `<stdlib.h>`

```
int abs(int j);
```

Returns Absolute value of `j`. The behavior is undefined if the absolute value of `j` can't be represented. *26.2*

---

acos *Arc Cosine* `<math.h>`

```
double acos(double x);
float acosf(float x);
long double acosl(long double x);
```