Attempts to establish the rounding direction represented by `round`.

Returns Zero if the requested rounding direction was established; otherwise, returns a nonzero value. *27.6*

`fetestexcept` *Test Floating-Point Exception Flags (C99)* `<fenv.h>`

```
int fetestexcept(int excepts);
```

Returns Bitwise *or* of the floating-point exception macros corresponding to the currently set flags for the exceptions represented by `excepts`. *27.6*

`feupdateenv` *Update Floating-Point Environment (C99)* `<fenv.h>`

```
int feupdateenv(const fenv_t *envp);
```

Attempts to save the currently raised floating-point exceptions, install the floating-point environment represented by the object pointed to by `envp`, and then raise the saved exceptions.

Returns Zero if all actions were successfully carried out; otherwise, returns a nonzero value. *27.6*

`fflush` *Flush File Buffer* `<stdio.h>`

```
int fflush(FILE *stream);
```

Writes any unwritten data in the buffer associated with `stream`, which points to a stream that was opened for output or updating. If `stream` is a null pointer, `fflush` flushes all streams that have unwritten data stored in a buffer.

Returns Zero if successful, EOF if a write error occurs. *22.2*

`fgetc` *Read Character from File* `<stdio.h>`

```
int fgetc(FILE *stream);
```

Reads a character from the stream pointed to by `stream`.

Returns Character read from the stream. If `fgetc` encounters the end of the stream, it sets the stream's end-of-file indicator and returns EOF. If a read error occurs, `fgetc` sets the stream's error indicator and returns EOF. *22.4*

`fgetpos` *Get File Position* `<stdio.h>`

```
int fgetpos(FILE * restrict stream,
            fpos_t * restrict pos);
```

Stores the current position of the stream pointed to by `stream` in the object pointed to by `pos`.

Returns Zero if successful. If the call fails, returns a nonzero value and stores an implementation-defined positive value in `errno`. *22.7*

`fgets` *Read String from File* `<stdio.h>`

```
char *fgets(char * restrict s, int n,
            FILE * restrict stream);
```