

getpass — Portable password input

Source code: [Lib/getpass.py](#)

Availability: not WASI.

This module does not work or is not available on WebAssembly. See [WebAssembly platforms](#) for more information.

The [getpass](#) module provides two functions:

`getpass.getpass(prompt='Password: ', stream=None)`

Prompt the user for a password without echoing. The user is prompted using the string *prompt*, which defaults to 'Password: '. On Unix, the prompt is written to the file-like object *stream* using the replace error handler if needed. *stream* defaults to the controlling terminal (`/dev/tty`) or if that is unavailable to `sys.stderr` (this argument is ignored on Windows).

If echo free input is unavailable `getpass()` falls back to printing a warning message to *stream* and reading from `sys.stdin` and issuing a [GetPassWarning](#).

Note: If you call `getpass` from within IDLE, the input may be done in the terminal you launched IDLE from rather than the idle window itself.

exception `getpass.GetPassWarning`

A [UserWarning](#) subclass issued when password input may be echoed.

`getpass.getuser()`

Return the “login name” of the user.

This function checks the environment variables `LOGNAME`, `USER`, `LNAME` and `USERNAME`, in order, and returns the value of the first one which is set to a non-empty string. If none are set, the login name from the password database is returned on systems which support the [pwd](#) module, otherwise, an [OSError](#) is raised.

In general, this function should be preferred over [os.getlogin\(\)](#).

Changed in version 3.13: Previously, various exceptions beyond just [OSError](#) were raised.