16.9. `getpass` — Portable password input

Source code: Lib/getpass.py

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 exception is raised.
>
> In general, this function should be preferred over `os.getlogin()`.