1. What is OS Module?

The OS module provides a portable way of using operating system dependent functionality. If we just want to read or write a file we use open(), if we want to manipulate paths, we use the os.path module, and if we want to read all the lines in all the files on command line we use fileinput module.

2. Importing OS Module

In [1]:
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import os
```

In [2]:
```
print(dir(os))
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['CLD_CONTINUED', 'CLD_DUMPED', 'CLD_EXITED', 'CLD_TRAPPED', 'EX_CANTCREAT', 'EX_CONFIG', 'EX_DATAERR', 'EX_IOERR', 'EX_NOHOST', 'EX_NOINPUT', 'EX_NOPERM', 'EX_NOUSER', 'EX_OSERR', 'EX_OSFILE', 'EX_PROTOCOL', 'EX_SOFTWARE', 'EX_TEMPFAIL', 'EX_UNAVAILABLE', 'EX_USAGE', 'F_LOCK', 'F_OK', 'F_TEST', 'F_TLOCK', 'F_ULOCK', 'MutexIsBusy', 'NGROUPS_MAX', 'O_ACCMODE', 'O_APPEND', 'O_ASYNC', 'O_CLOEXEC', 'O_CREAT', 'O_DIRECT', 'O_DIRECTORY', 'O_DSYNC', 'O_EXCL', 'O_EXLOCK', 'O_LARGEFILE', 'O_NDELAY', 'O_NOATIME', 'O_NOCTTY', 'O_NOFOLLOW', 'O_NONBLOCK', 'O_RDONLY', 'O_RDWR', 'O_SHLOCK', 'O_SYNC', 'O_TEMPORARY', 'O_TEXT', 'O_TRUNC', 'O_WRONLY', 'PRIO_PGRP', 'PRIO_PROCESS', 'PRIO_USER', 'P_ALL', 'P_PGID', 'P_PID', 'RTLD_GLOBAL', 'RTLD_LAZY', 'RTLD_LOCAL', 'RTLD_NOW', 'R_OK', 'SEEK_DATA', 'SEEK_HOLE', 'SEEK_SET', 'TMP_MAX', 'WCONTINUED', 'WCOREDUMP', 'WEXITED', 'WEXITSTATUS', 'WIFCONTINUED', 'WIFEXITED', 'WIFSIGNALED', 'WIFSTOPPED', 'WNOHANG', 'WNOWAIT', 'WSTOPPED', 'WSTOPSIG', 'WTERMSIG', 'WUNTRACED', '_A_ARCH', '_A_HIDDEN', '_A_NORMAL', '_A_RDONLY', '_A_SUBDIR', '_A_SYSTEM', '_A_VOLID', '_exit', '_fdopen', '_fsencode', '_fspath', '_get_blocking', '_get_terminal_size', '_getdiskusage', '_getfullpathname', '_getlinkpathname', '_getpid', '_getshortpathname', '_getvolumepathname', '_isdir', '_isfile', '_local', '_mkdir', '_name2ino', '_name_of_handle', '_path_splitroot', '_pipe', '_pipe2', '_putenv', '_putenv_s', '_set_blocking', '_set_inheritable', '_spawnv', '_spawnv_fd', '_spawnvb', '_spawnvb_fd', '_spawnve', '_spawnve_fd', '_spawnvebytes', '_spawnvebytes_fd', '_stat', '_stat_float_times', '_strerror', '_unlink', '_wait', '_wait3', '_wait4', '_waitpid', '_wcsdup', '_wcsnsubcmp', '_wdirchk', '_wdirent', '_wdirnext', '_wdirreader', '_wdirscan', '_wdirsearch', '_wdirsearchdir', '_wdirsearchnext', '_wdirsearchnextfirst', '_wdirsearchnextfirstfirst', '_wfdopen', '_wfopen', '_wfsdecode', '_wfspath', '_wfsrecode', '_wfsrecode_s', '_wfsrecode_s_', '_wfsrecode_s__', 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