

**OS library, / Operating System library, is used to automate the commands that we used to type in our terminals in order to complete a task like creating a folder, deleting a folder etc.**

SR.NO	COMMAND	ACTION
1.	<b>import os</b>	using to import os library
2.	<b>os.getcwd()</b>	used to get current working directory
3.	<b>os.chdir()</b>	used to change directory
4.	<b>os.mkdir()</b>	used to create directory in cwd
5.	<b>os.makedirs()</b>	used to create directory within dir
6.	<b>os.remove()</b>	used to remove text file
7.	<b>os.rmdir()</b>	used to remove dir
8.	<b>os.rename()</b>	rename dir
9.	<b>os.getsize()</b>	size of folder in kb
10.	<b>os.path.exist()</b>	return true if dir exist or false if it is not

**Note:** in order to use CLI commands in jupyter we should use **!** mark before the command like **!touch file.txt !ls !pwd** etc

### **Q What is Symbolic Link?**

A symbolic link, also known as a symlink or a soft link, is a special type of file that serves as a reference to another file or directory. Unlike a hard link, a symbolic link does not contain the data in the target file or directory; instead, it simply points to the location of the target. Symbolic links are used to create shortcuts or references to files and directories, providing a flexible and efficient way to organize and access data within a file system.

### **Q difference between len() , sys.getsizeof() function?**

### **len() function :**

- **Purpose:** len() is a built-in function in Python that is used to get the length (the number of elements) of an object.
- **Usage:** It works with objects that are sequences or collections, such as strings, lists, tuples, dictionaries, etc.

### **Sys.getsizeof() function():**

- **Purpose:** sys.getsizeof() is a function provided by the sys module in Python. It returns the size of an object in bytes, including the overhead of the object itself.
- **Usage:** It can be used to get an estimate of the memory footprint of an object.
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