

OS Module

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|------------------------------------------|---------------------------------------------------------------|
| <code>os.sep</code> | gives the current working directory as the sting value. |
| <code>os.getcwd()</code> | gives the current working directory as the sting value |
| <code>os.chdir("Dir loc")</code> | takes in directory location and changes the working directory |
| <code>os.listdir("filename")</code> | gives s the list of all the files. |
| <code>os.makedirs("folderna mes")</code> | creates the folders. |
| <code>os.unlink("filename")</code> | deletes a file |
| <code>os.rmdir("folder")</code> | deletes a folder. |
| <code>os.walk("folder name")</code> | this returns foldername, subfolders and files in it |

```
for foldername, subfoldername, filename in os.walk("."):
... print(foldername, subfoldername, filename)
```

shutil

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|---------------------------------------------------------------------|-------------------------------------------|
| <code>shutil.copy("source", "destination")</code> | Copies source file to destination file |
| <code>shutil.copytree("source_folder", "destination_Folder")</code> | useful for backups |
| <code>shutil.move("source_folder", "destination_folder")</code> | This can also be used as renaming option. |
| <code>shutil.rmtree("dir_name")</code> | To delete a full directory we use this |

os.path module

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|-------------------------------------------------------------------------|---------------------------------------------------------------|
| <code>os.path.join ("folder1", "folder2", "folder3", "filename")</code> | This takes the folder list and joins them to give a path name |
| <code>os.path.abspath("filename")</code> | this gives the absolute path of the file |
| <code>os.path.isabs("filepath")</code> | gives true or false for the abs path |
| <code>os.path.relpath("filepath")</code> | gives relative path for the 2 paths you give. |
| <code>os.path.exists("Filename")</code> | gives true or false for the file name |
| <code>os.path.isfile("filepath")</code> | true if the path is file |
| <code>os.path.isdir("filepath")</code> | true if the path is folder |
| <code>os.path.getsize("filename")</code> | gives the size in bytes |



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