

Operating system

↳ Intermediator b/w software and hardware
eg: OS, windows, linux

GUI → Graphical user Interface

CLI → Command line Interface

GUI → all the animation things like making a new folder by right clicking

CLI → user can also open folder using command prompt / terminal

Commands in terminal

(MAC) Clear → clear the outputs / cls → Windows

(for MAC) ls → list all files in current directory

(for Linux) dir → show all the directories with line

cd <folder name>

↳ open that directory

eg cd desktop

* mkdir Rizual

↳ A folder named rizual will be created

5 cd Rizual

↳ go into folder

rm -r Rizual

↳ remove folder

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date → date

To copy a file eg

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f.txt is created

→ copy f.txt a.txt

↪
erase f.txt (remove it)

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rename a.txt name.txt

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OS library in python

→ import os

5 os.getcwd()

↳ gives the name of directory i'm currently working on

→ ls → gives all files here

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→ os.chdir("Name")

↳ Folder name (change directory)

→ os.chdir("../") → take back to previous directory

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→ os.mkdir("Foldername") → to create a new dir

20 os.makedirs("Name/Name/Name")

↳ to create nested folders multiple

os.rmdir (remove directory)

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os.listdir() → lists directory in list format

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```
if os.path.exists('ml/check')  
    ('Already exist')
```

```
else:
```

```
    os.mkdir('ml/check')
```

* How to create bulk directories
eg 1000 folders

```
os.mkdir('Test')
```

```
for i in range(1000)
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```
    name = 'Test/Test'+str(i+1)
```

```
    os.mkdir(name)
```

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↓
It will create 1000 folders inside Test dir
with name

Test1, Test2 --- Test 1000

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