

```
import os
```

```
# getCurrentWorkingDirectory
```

```
o = os.getcwd()
```

```
print(o)
```

Output

E:\Github\PythonWorkspace\PythonWorkspace\Day28\_Directories

```
import os
```

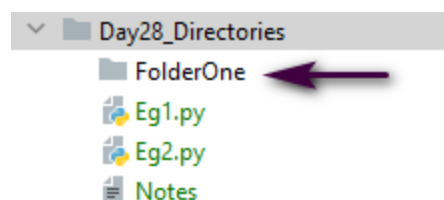
```
# makeDirectory
```

```
o = os.mkdir('FolderOne')
```

```
print(o)
```

Output

None



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Name	Date modified	Type	Size
FolderOne	11/30/2021 12:12 ...	File folder	
Eg1	11/30/2021 12:10 ...	PY File	1 KB
Eg2	11/30/2021 12:12 ...	PY File	1 KB
Notes	11/30/2021 12:06 ...	File	1 KB

```
import os
```

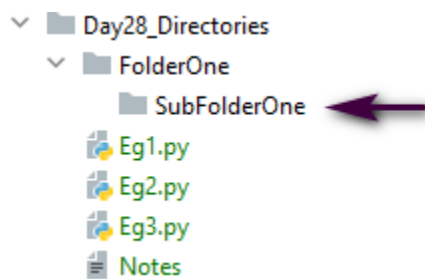
```
# makeDirectory and InsideofDirectory Make one more Directory
```

```
o = os.mkdir('FolderOne/SubFolderOne')
```



```
print(o)
```

Output

None



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Name	Date modified	Type	Size
 SubFolderOne	11/30/2021 12:19 ...	File folder	

```
import os
```

```
# makeDirectory and InsideofDirectory Make one more Directory
```

```
o = os.makedirs('FolderTwo/SubFolderTwo')
```

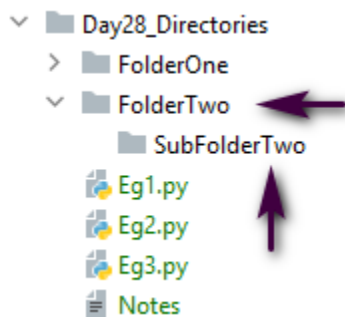
```
print(o)
```

Output

None

# Note:

# Here, FolderTwo is not there as Parent Directoray, but it will create now.



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Name	Date modified	Type	Size
SubFolderTwo	11/30/2021 12:27 ...	File folder	

```
import os
```

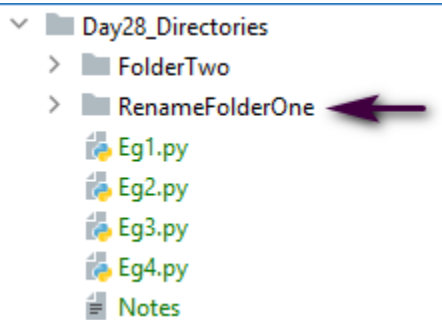
```
#Rename the existing folder
```

```
o = os.rename('FolderOne','RenameFolderOne')
```

```
print(o)
```

Output

None

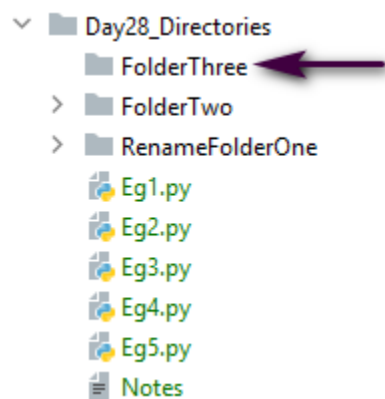


```
import os

# makeDirectory
o = os.mkdir('FolderThree')
print(o)
```

Output

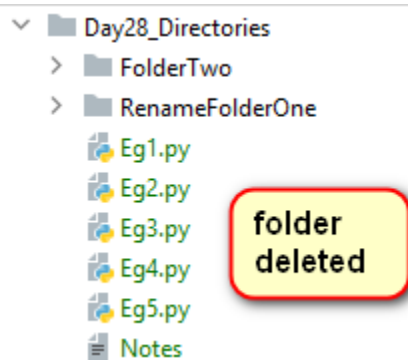
None



```
# Remove directory
o = os.rmdir('FolderThree')
print(o)
```

Output

None



```
import os
```

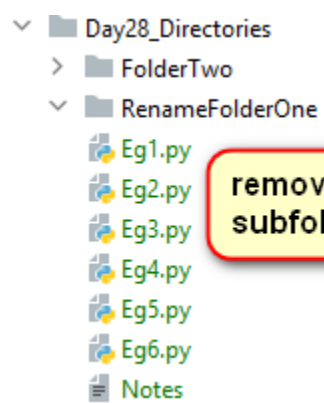
```
# Remove sub directory
```

```
o = os.rmdir('RenameFolderOne/SubFolderOne')
```

```
print(o)
```

Output

None



```
import os
```

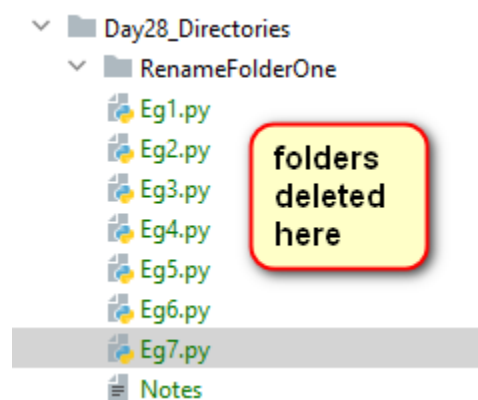
```
# Remove directory and sub-directory
```

```
o = os.removedirs('FolderTwo/SubFolderTwo')
```

```
print(o)
```

Output

None



Python method `walk()` generates the file names in a directory tree by walking the tree either top-down or bottom-up.

```
os.walk(top[, topdown=True[, onerror=None[, followlinks=False]]])
```

```
import os
w = os.walk('.')
for i in w:
    print(i)
```

Output

```
('.', ['RenameFolderOne'], ['Eg1.py', 'Eg2.py', 'Eg3.py', 'Eg4.py', 'Eg5.py', 'Eg6.py', 'Eg7.py', 'Eg8.py', 'Notes'])
```

```
('.\RenameFolderOne', [], [])
```




```
import os
```

```
# Pass Full Path to Create Directory
```

```
o = os.mkdir("E:\\Github\\Python  
Workspace\\PythonWorkspace\\Day28_Directories\\FolderThree")  
print(o)
```

Output

None

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Name	Date modified	Type	Size	
FolderThree	11/30/2021 1:44 PM	File folder		
RenameFolderOne	11/30/2021 12:48 ...	File folder		

```
import os
```

```
# Change the Directory
```

```
o = os.chdir("E:\\Github\\PythonWorkspace\\PythonWorkspace")  
print(os.getcwd())
```

Output

E:\\Github\\Python Workspace\\PythonWorkspace

```
import os
```

```
# list the directory
```

```
o = os.listdir()
```

```
print(o)
```

Output

```
['Eg1.py', 'Eg2.py', 'Eg3.py', 'Eg4.py', 'Eg5.py', 'Eg6.py', 'Eg7.py', 'Eg8.py',  
'Eg9.py', 'Ex10.py', 'Ex11.py', 'FolderThree', 'Notes', 'RenameFolderOne']
```