

In []: *#File Input/Output*

```
open()

--- Methods or mode
- 'r' --> read
- 'a' --> append
- 'w' --> write
- 'rw' --> read write
- 'rw+' --> read write
- 'w+' --> read write

#- 'x'
```

In [26]: *## Create and write*

```
f = open("demo.txt", 'w+')
f.write("Hello, This is the File I/O session")
f.close()
```

In [11]: *## Read*

```
f1 = open("demo.txt", 'r')
print(f1.read())
f1.close()
```

Hello, This is the File I/O session

In [12]: *## append*

```
f2 = open("demo.txt", 'a')
f2.write("\n Hi this is the second line")
f2.close()
```

In []: *### with open*

With = context manager

In [7]: **with** open("demo.txt", "r") **as** file:
 print(file.readlines())

['Hello, This is the File I/O session\n', ' Hi this is the second line']

In [8]: **import** os

In [9]: os.remove("demo.txt")

```
In [14]: if os.path.exists("demo.txt"):
         os.remove("demo.txt")
         else:
             print("The File does not exist")
```

The File does not exist

```
In [16]: os.rmdir("Demo")
```

```
In [17]: os.remove("demo//demo.txt")
```

```
In [23]: os.rmdir("demo")
```

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OSError                                Traceback (most recent call last)
Cell In[23], line 1
----> 1 os.rmdir("demo")

OSError: [WinError 145] The directory is not empty: 'demo'
```

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In [24]: import shutil
```

```
In [25]: shutil.rmtree('demo',ignore_errors=True)
```

```
In [33]: ## Seek and Tell

with open("demo.txt","w+") as file:
    print(file.tell())
    file.seek(50)
    print(file.tell())
    file.write("abbasdkadns")
    print(file.tell())
```

0
50
62

```
In [ ]:
```