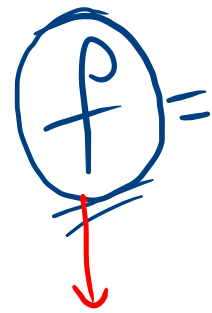


open( )

close( )



file descriptor

open(file name , mode )

read

write

append

New file will be created  
Existed data will be deleted.

`f = open('sample.txt', 'r')`

`s = f.read()`

`f.close()`

`f` →

0	1	2	3	4	5	6	7	8
s	r	i	k	a	n	t	h	
9	10	11	12	13	14	15	16	17
j	a	g	a	d	e	e	s	h
s								
r								
i								
n								
a								
t								
h								
l								
o								
k								
e								
s								
h								
g								
a								
t								
t								
a								
2								
1								
@								
g								
m								
a								
i								
l								
.								
c								
o								
m								

↓ `f`

```
f = open('sample.txt', 'r')
s = f.read(5)
print(s)
s1 = f.read()
print('-'*50)
print(s1)
f.close()
```

A diagram illustrating the state of a file pointer `f`. A blue arrow labeled `f` points to the first line of a text file. The file content is as follows:

srikanth
jagadeesh
srinath
lokesh
rajendra
jagadeeshgatta21@gmail.com

The first line, "srikanth", is highlighted with a blue background and a red border. A green arrow points to the end of this line, and a black arrow labeled `f` points to the start of the same line.

```
f = open('sample.txt','r')
s1 = f.read(5)
print(s1)
print('*'*50)
s2 = f.read(10)
print(s2)
print('*'*50)
s3 = f.read(15)
print(s3)
f.close()
```

0 1 2 3 4 5 6 7 8  
srikanth  
9 10 11 12 13 14 15 16 17 18  
jagadeesh  
srinath  
lokesh  
rajendra  
jagadeeshgatta21@gmail.com

0 1 2 3 4  
srika  
\*\*\*\*\*  
5 6 7 8  
nth  
9 10 11 12 13 14  
jagade  
\*\*\*\*\*  
esh  
srinath  
lok

```
f = open('sample.txt', 'r')
s1 = f.readline() # line 1
s2 = f.readline() # line 2
s3 = f.readline() # line 3
print(s1)
print(s2)
print(s3)
f.close()
```

```
srikanth
jagadeesh
srinath
lokesh
rajendra
jagadeeshgatta21@gmail.com
```

```
PS D:\Python\23\N1\File_Handling> python read4.py
srikanth
```

```
jagadeesh
```

```
srinath
```

---

```
f = open('sample.txt','r')  
s1 = f.readline(3)  
s2 = f.readline()  
print(s1)  
print(s2)  
f.close()
```

```
srikanth  
jagadeesh  
srinath  
lokesb  
rajendra  
jagadeeshgatta21@gmail.com
```

```
PS D:\Python\23\N1\File_Handling> python read5.py  
sri  
kanth
```