

(MASTERCLASS)_08_NOV_2021

```
In [1]: f = open("test.txt", 'w')    # filepointer = open(filename, mode)
```

```
In [2]: # f = open("test.txt", mode='r')
```

```
In [3]: f.write("Great this is CSE\n Do great things\n Keep going")
```

```
Out[3]: 46
```

```
In [4]: f.close()
```

```
In [19]: f = open("test.txt", 'r')
```

```
In [12]: f.read(12)
```

```
Out[12]: 'Great this i'
```

```
In [8]: print(f.read())
```

```
Great this is CSE
Do great things
Keep going
```

```
In [20]: for line in f:
          print(line, end = '')
```

```
Great this is CSE
Do great things
Keep going
```

```
In [51]: f = open("test.txt", 'r')
```

```
In [22]: f.readline()
```

```
Out[22]: 'Great this is CSE\n'
```

```
In [25]: f.readlines()
```

```
Out[25]: ['Great this is CSE\n', ' Do great things\n', ' Keep going']
```

```
In [26]: with open("test.txt") as file:
          data = file.read()
          print(data)
```

```
Great this is CSE
Do great things
Keep going
```

```
In [27]: import os
          os.getcwd()
```

```
In [28]: import math
          print(math.pi)
```

3.141592653589793

```
In [30]: print(math.factorial(5))
```

120

```
In [31]: from math import pi
print(pi)
```

3.141592653589793

```
In [55]: with open('test.txt','r') as firstfile, open('test2.txt','w') as secondfile:

        for line in firstfile:

            # append content to second file
            secondfile.write(line)
```

```
In [88]: firstfile.close()
         secondfile.close()
```

```
In [57]: with open("test.txt") as secondfile:
          print(secondfile.read())
```

Great this is CSE
Do great things
Keep going

```
In [95]: secondfile.close()
```

```
In [89]: with open("test2.txt") as secondfile:
          secondfile.read(12)
          print(secondfile.tell())
          secondfile.read()
          print(secondfile.tell())
```

12

48

```
In [96]: with open("test2.txt") as secondfile:
          secondfile.read(12)
          print(secondfile.tell())
          print(secondfile.tell())

12
12
```

[illegible]

DATE = 08-11-2021