

# File\_Handling\_Python

April 19, 2020

```
[15]: #File should opened using open statement  
file = open("sample.txt", "w")
```

```
[16]: #File should always be closed using close method  
file.close()
```

```
[21]: #Ensuring a file is closed even if an error occurs  
file = open("sample.txt")  
try:  
    pass  
  
finally:  
    file.close()
```

```
[22]: with open('sample.txt') as file_obj:  
    pass  
#File is automatically closed. #Context manager with
```

```
[24]: with open('sample.txt') as file:  
    content = file.read(5)  
    print(content) #5 bytes space is invisible
```

This

## 0.1 reads a single line from a file

```
[25]: with open('sample.txt') as file:  
    content = file.readline()  
    print(content)
```

This is the first line.

```
[26]: with open('sample.txt') as file:  
    content = file.readline() #reads a single line from a file  
    print(content)  
    content = file.readline() #reads a single line from a file  
    print(content)
```

This is the first line.

This is the second line.

## 0.2 readlines method reads the content of the file as a list

```
[28]: with open('sample.txt') as file: #File opened in read mode if no arguments are  
      ↪given and it is default mode.  
        content = file.readlines()  
        print(content)  
  
      print(file.mode)
```

```
['This is the first line.\n', 'This is the second line.\n', 'This is the last  
line.']
```

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```
[ ]:
```