

# DATA TOOLKITS

→ Reading data from file

→ jupyter notebook

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→ read mode

\* → `fd = open('data.txt', 'r')` // opening file  
`txt = fd.read()` // reading  
`print(txt)`

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`fd.close()` // closing file  
// Hello World!  
(Anything stored in file)

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`\n` → It will print data in raw format  
(~~for~~ ~~for~~ `\n` → for next line)

we can change `\n` key

↳ `txt.replace('\n', '')`

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→ TEXT PROCESSING

As we know next line is shown by `'\n'`  
next para is shown by `'\n\n'`

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To count no. of paras in a txt file

→

`p = txt.split('\n\n')`  
`len(p)`

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no. of lines used

```
u = txt.split("\n")
len(u)
```

single next line

OR

```
u = txt.split(".")
len(u)
```

Full stop

10 no of words

```
w = txt.split(" ")
len(w)
```

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→ ADVANCE TEXT PROCESSING

(remove)  
TO replace special char like numbers

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eg in a text file we want to  
remove number from  
5-13 weather like  
[5],[6],[7] --- [13]

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```
for i in range(5,14):
    pattern = "[ " + str(i) + " ]"
    txt = txt.replace(pattern, "")
print(txt)
```

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OR `for i in ("!@#$%^&*~`-")  
txt = txt.replace(i, "")`  
removes all special char

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\*

## WRITING DATA ON TEXT FILE

How to create a new text file ?

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```
fd = open("filename.txt", "w")  
fd.close()
```

To write anything (overwrite)

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→ `fd.write("Your Text")`

## APPENDING DATA

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```
fd = open("filename.txt", "a")  
fd.append write("Key")  
fd.close()
```

It will append to previous file

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To write in next line

`fd.write("Key \n")`

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