

## 10 feb Assignment

1. Which function is used to open a file?  
What are the different modes of opening a file? explain each mode of file opening.

→ `file-object = open("file-name", "Access-Mode")`

→ `file1 = open("Myfile1.txt", "a")`

→ `file1 = open("Myfile.txt", "a")`  
`file1.close()`

→ `open("Myfile.txt")`

APPOINTMENT MEETING

Q.2 Why close() function is used? why is it important to close a file?

→ In some cases due to buffering changes made to a file may not show until you close the file.

→ file.close()

→ Any operation which requires that the file be opened will raise a ValueError after the file has been closed. Calling close() more than once is allowed.

Q.3 write a python program to create a text file write 'I want to become a Data Scientist' in that file. then close the file. open this file & read the content of the file.

```
def main():
```

```
f = open('I want to become a Data Scientist', 'w+')
```

```
for i in range(40):
```

```
f.write('This is to a Data Scientist %d\n' % (i+1))
```

```
f.close()
```

```
if __name__ == '__main__':
```

```
main()
```



Q.4 Explain the following V4 readlines().  
code: read() method will return a line from the

Readline() method will return a line from the

file when called.

→ a new line character is left at the string end & is ignored for the last line provided the file does not finish in a new line.

→ returns a list.

readlines() :- read the entire content of the file at a time.

→ reads all the file content & stores it in the list.

→ This method reads up to the end of the line with newline() & returns a list

Q.5 Explain why with statement is used with open(). What is the advantage of using with statement & open() together?

→ With the "with" statement, you get better syntax & exception handling.

→ The with statement simplifies exception handling by encapsulating common preparation & clean up tasks.

15 Sunday

Q.6 Explain the write() & writelines() functions give a suitable examples.

APPOINTMENT NOTES → write() function will write the content in the file without adding any extra characters.

→ filename.write(content).

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EVENT/MEETING

JULY

MONDAY

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write\_lines() function

This function writes the content of a list to a file.

file\_name.write\_lines(list\_of\_lines)

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