

24/12/2025

Work done :

- File handling

Description :

File handling :

- File handling used for storing data permanently in a file that data is not lost when the program stops.

Syntax:

Variable = open("filename" , "mode")

File modes

Modes	Meaning
w	Write (overwrite)
r	Read
a	Append
x	create
r+	Read + Write
rb	Read binary
wb	Write binary

File methods

Method	Use
open()	Open the file
read()	Read all

write()	Write the text (overwrite)
readline()	Read single line
readlines()	Read list of lines
close()	Close the file

→ Must close the file when you don't use **with** keyword.

❖ Write the content into file

```
File = open("demo.txt" , "w")
File.write("hello word")
File.close
```

❖ Read the content

```
File = open("demo.txt" , "r")
print(File.read())
File.close()
```

❖ Append the content

```
File = open("demo.txt" , "a")
File.write("this is file demo ")
File.close()
```

❖ Read a single line

```
File = open("demo.txt" , "r")
print(File.readline())
File.close()
```

❖ Read the all lines and print it into list items format

```
File = open("demo.txt" , "r")
print(File.readlines())
File.close()
```

❖ Using **with** keyword

```
with open("demo.txt" , "r") as f :
```

```
print(f.read())
```

❖ **Print lines using for loop**

```
File = open("demo.txt" , "r")
for lines in File:
    print(lines)
File.close()
```

```
create_file.py U ●
questions_set > create_file.py > ...
1 #open() - open the file
2 # write() - write text (delete the existing text and insert current text)
3 file = open("demo.txt", "w")
4 file.write("This is Demo file")
5 file.close
6
7 #read() - read all content
8 file = open("demo.txt", "r")
9 print(file.read())
10 file.close
11
12 # append (a) mode - insert the text at the end
13 file = open("demo.txt", "a")
14 file.write("\nwelcome to demo file")
15 file.close
16
17 #readline() - read each line or single line at a time
18 file = open("demo.txt", "r+")
19 print(file.readline())
20 file.close
21
22 #readlines() - returns list of lines existed in the file
23 file = open("demo.txt", "r+")
24 print(file.readlines())
25 file.close
26
27 # reading lines in the file using for loop
28 file = open("demo.txt", "r+")
29 for lines in file:
30     print(lines)
31 file.close
32
33 #using with keyword
34 with open("demo.txt", "r") as f:
35     print(f.read())
36
37
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS +
```

```
(venv) PS C:\Users\Sayma_kazi\Mitu_Internship> & C:/Users/Sayma_kazi/Mitu_Internship/venv/Scripts/python.exe c:/Users/Sayma_kazi/Mitu_Internship/questions_set/create_file.py
This is Demo file
This is Demo file

['This is Demo file\n', 'welcome to demo file']
This is Demo file

welcome to demo file
This is Demo file
welcome to demo file
○ (venv) PS C:\Users\Sayma_kazi\Mitu_Internship>
```