

assignment 10 feb test

March 29, 2023

Q1. Which function is used to open a file? What are the different modes of opening a file? Explain each mode of file opening.

ANS:- open() method. Open a file Read or write (perform operation) Close the file Open a file :-
file1 = open("test.txt") Read or write :- read_content = file1.read() print(read_content) close a
file:- file1.close()

Q2. Why close() function is used? Why is it important to close a file?

The close() method closes an open file. You should always close your files, in some cases, due to buffering, changes made to a file may not show until you close the file.

Q3. 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 and read the content of the file.

Ans:-

Q4. Explain the following with python code: read(), readline() and readlines().

Ans:- read() :- The read() method returns the specified number of bytes from the file. file.read()
readline() :- The readline() method returns one line from the file file.readline(size) readlines():-
returns a list containing each line in the file as a list item file.readlines(hint)

Q5. Explain why with statement is used with open(). What is the advantage of using with statement and open() together?

Ans:-The Python programming language has various functions and statements for working with a file. The with statement and open() function. The with statement closes the file for you without you telling it to.

Q6. Explain the write() and writelines() functions. Give a suitable example.

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[ ]: Ans:-write():- The write() method writes a specified text to the file. Where
    ↳the specified text will be inserted depends on
        the file mode and stream position.
    ex:-f = open("demofile2.txt", "a")
        f.write("\nSee you soon!")
        f.close()

    #open and read the file after the appending:
    f = open("demofile2.txt", "r")
    print(f.read())
```