



Test

Python File Handling (Read Files) - Test

Part A: Multiple Choice Questions (MCQs)

Choose the correct answer for each question:

1. What is the correct syntax used to open a file in Python for reading?

- a) `file.open("r")`
- b) `open(filename, "r")`
- c) `openfile(filename)`
- d) `read(filename)`

2. What does the `read()` method do?

- a) Reads a line from a file
- b) Reads the entire content of a file as a string
- c) Writes data to a file
- d) Deletes a file

3. How do you ensure a file is properly closed after reading?

- a) Use the `try-catch` block
- b) Call `file.close()` manually
- c) Use the `with` statement
- d) There is no need to close the file

4. Which method reads one line at a time from a file?

- a) `readline()`
- b) `readlines()`

- c) `read(1)`
 - d) `readfile()`
5. What is the output of the `readlines()` method?
- a) A string
 - b) A tuple
 - c) A list of lines from the file
 - d) An iterator
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Part B: Practical Questions

1. Write a Python program to open a file named `sample.txt` and print its entire content using the `read()` method.
 2. Read and print each line from `sample.txt` using a loop and `readline()` method.
 3. Use the `with` statement to read contents from `sample.txt` and print them line by line.
 4. Read all lines from `sample.txt` into a list using `readlines()` , and then print each line with its line number.
 5. Write a function `count_words(filename)` that reads a file and returns the total number of words in it.
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