

by Kunal Sir

Assignment: File Handling

Part A: MCQ's

1. Which class is used to create a file in Java?

- A. Scanner
 - B. File
 - C. FileInputStream
 - D. FileReader
-

2. Which method is used to create a new file?

- A. create()
 - B. makeFile()
 - C. createNewFile()
 - D. newFile()
-

3. Which package contains file handling classes in Java?

- A. java.util
 - B. java.lang
 - C. java.io
 - D. java.file
-

4. Which method checks whether a file exists?

- A. isPresent()
 - B. available()
 - C. exists()
 - D. check()
-

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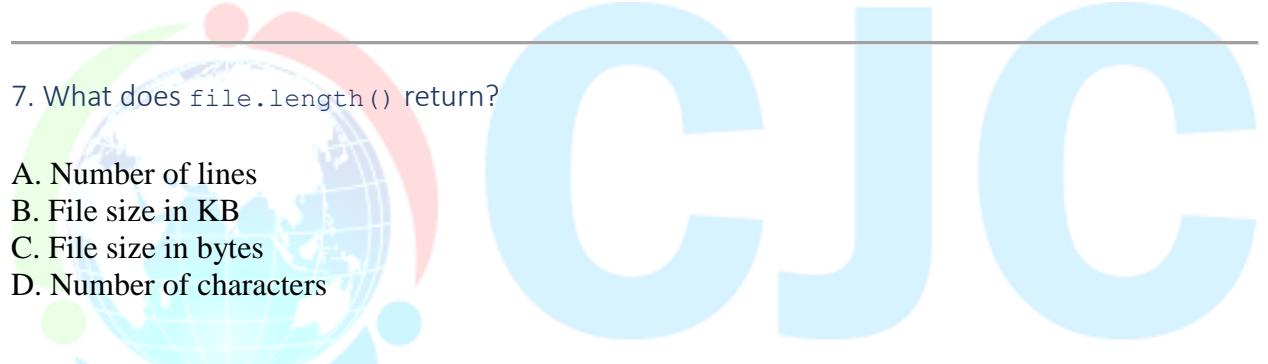
5. Which class is used to write data into a file in byte format?

- A. FileReader
 - B. FileWriter
 - C. FileOutputStream
 - D. Scanner
-

6. Which class is used to read data from a file in byte format?

- A. FileReader
 - B. FileInputStream
 - C. Scanner
 - D. FileWriter
-

7. What does `file.length()` return?

- A. Number of lines
 - B. File size in KB
 - C. File size in bytes
 - D. Number of characters
- 
- The logo features a stylized globe with red, green, and blue continents. To the right of the globe, the letters "CJC" are written in large, light blue, bold, sans-serif capital letters. Below "CJC", the words "Complete Java Classes" are written in a smaller, lighter blue, bold, sans-serif font.
-

8. Which method checks whether a file can be read?

- A. canWrite()
 - B. isRead()
 - C. canRead()
 - D. readable()
-

9. Which method checks whether a file can be written?

- A. isWritable()
- B. canWrite()
- C. writeCheck()
- D. writable()

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10. Which method deletes a file in Java?

- A. remove()
 - B. deleteFile()
 - C. delete()
 - D. erase()
-

11. What does `getName()` method return?

- A. File path
 - B. Absolute path
 - C. File size
 - D. File name
-

12. Which method returns the absolute path of a file?

- A. `getPath()`
 - B. `getFilePath()`
 - C. `getAbsolutePath()`
 - D. `getLocation()`
-

13. Which method checks whether a path is a directory?

- A. `isFile()`
 - B. `isDirectory()`
 - C. `isFolder()`
 - D. `checkDir()`
-

14. Which class is used to read a file line by line (without buffered classes)?

- A. `BufferedReader`
- B. `FileReader`
- C. `Scanner`
- D. `DataInputStream`

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15. Which constructor is used to append data to a file?

- A. FileOutputStream("file.txt")
 - B. FileOutputStream("file.txt", true)
 - C. FileWriter("file.txt")
 - D. Scanner("file.txt")
-

16. What happens if `createNewFile()` is called on an existing file?

- A. File is deleted
 - B. File is overwritten
 - C. Returns false
 - D. Throws error
-

17. Which method is used to check whether a path is a file?

- A. isDirectory()
 - B. isFile()
 - C. isPath()
 - D. exists()
-

18. Which stream is used to copy data from one file to another?

- A. FileReader & FileWriter
 - B. Scanner & PrintWriter
 - C. FileInputStream & FileOutputStream
 - D. DataInputStream & Scanner
-

19. What is the return type of `exists()` method?

- A. int
- B. String
- C. boolean
- D. void

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20. Which exception is commonly handled in file handling programs?

- A. ArithmeticException
 - B. IOException
 - C. NullPointerException
 - D. ArrayIndexOutOfBoundsException
-



Part B: Problem Statement

1. Create a File

Problem Statement:

Write a Java program to create a new file named `sample.txt`. If the file already exists, the program should display a message saying that the file already exists. If the file does not exist, it should be created successfully.

2. Check Whether File Exists

Problem Statement:

Write a Java program to check whether a file named `data.txt` exists in the given location. The program should print a message indicating whether the file is present or not.

3. Write Text into a File

Problem Statement:

Write a Java program to create a file named `hello.txt` and write the text "Hello Java" into that file. After writing, display a confirmation message.

4. Read Text from a File

Problem Statement:

Write a Java program to read the contents of a file named `hello.txt` and display the text on the console.

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5. Append Text to an Existing File

Problem Statement:

Write a Java program to add the text "Welcome to File Handling" at the end of an existing file without removing or overwriting the old content.

6. Read File Line by Line

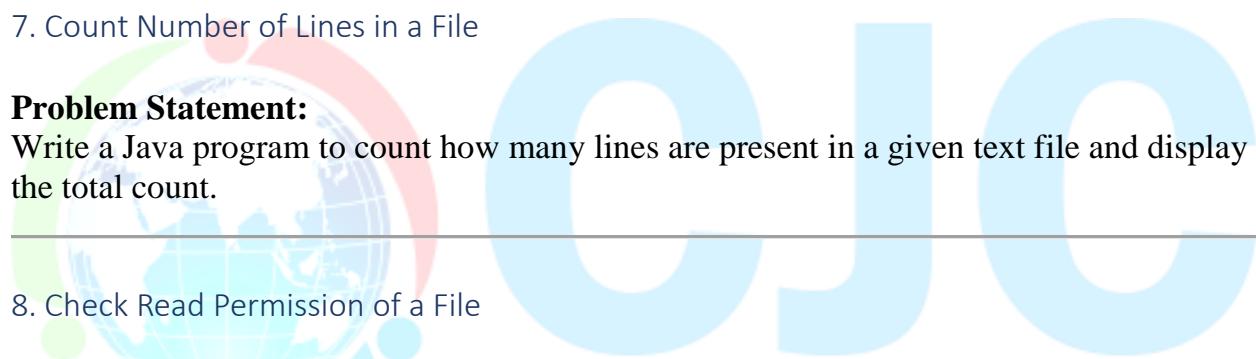
Problem Statement:

Write a Java program to read a text file line by line and print each line separately on the console.

7. Count Number of Lines in a File

Problem Statement:

Write a Java program to count how many lines are present in a given text file and display the total count.



8. Check Read Permission of a File

Problem Statement:

Write a Java program to check whether a file has permission to be read. Display a message indicating whether the file is readable or not.

9. Check Write Permission of a File

Problem Statement:

Write a Java program to check whether a file has permission to be written. Display a message indicating whether the file is writable or not.

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10. Check Whether Path is File or Directory

Problem Statement:

Write a Java program to check whether a given path refers to a file or a directory. Display an appropriate message based on the result.

11. Display File Size

Problem Statement:

Write a Java program to find and display the size of a file in bytes.

12. Display File Name and Absolute Path

Problem Statement:

Write a Java program to display the name of a file and its absolute path on the system.

13. Read Only the First Line of a File

Problem Statement:

Write a Java program to read and display only the first line of a given text file.

14. Copy Content from One File to Another

Problem Statement:

Write a Java program to copy the content of one file into another file. The destination file should contain the same content as the source file.

15. Delete a File

Problem Statement:

Write a Java program to delete a file named `old.txt`. Display a message showing whether the file was deleted successfully or not.

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