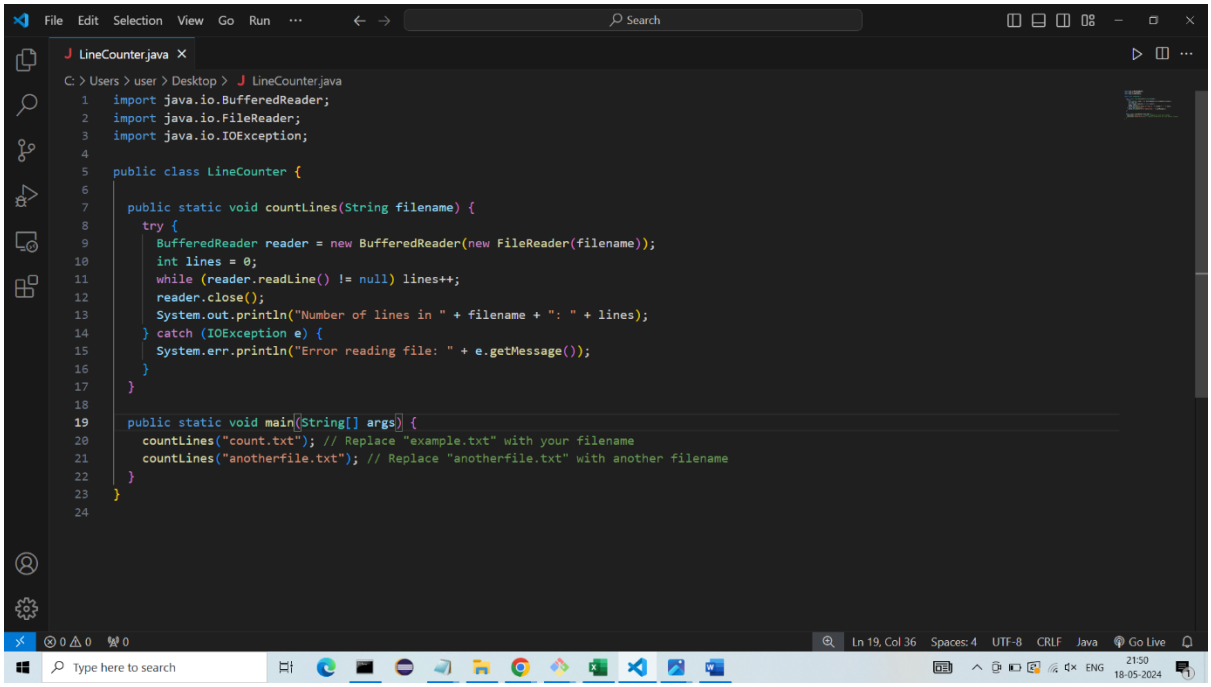
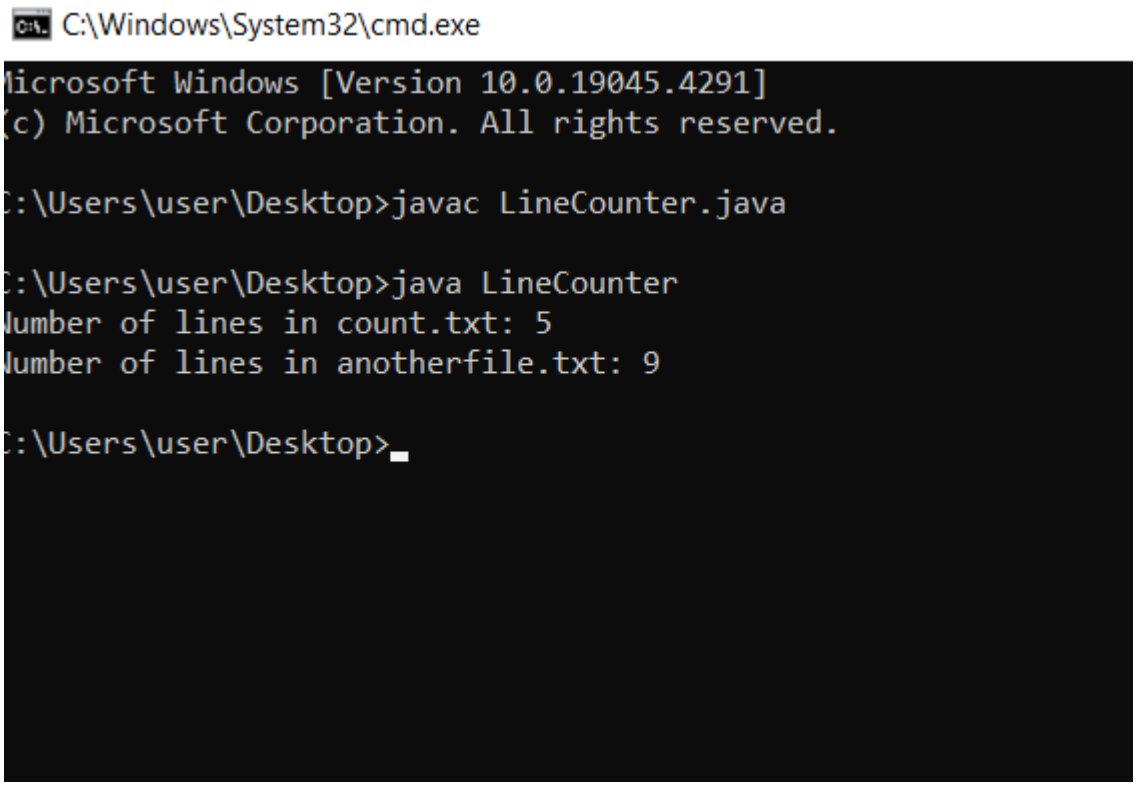
Assignment 03:

Create a function that takes a filename as an argument and prints the number of lines in the file. Call this function from your script with different filenames.

Function: -



Output: -



Explanation:

1. countLinesInFile Function:
   - This function takes a filename string as input.
   - It throws an IOException to indicate potential exceptions during file operations.
   - Inside a try-with-resources block:

        - A Scanner object is created to read the file.
        - A while loop iterates through each line using hasNextLine().
        - Line count (lineCount) is incremented for each line.
    - The function returns the total line count.

2.main Method:

- An array filename stores different filenames for testing.
- A for loop iterates through each filename.
- Inside the loop:
    - The countLinesInFile function is called with the current filename.
    - The returned line count is stored in the lineCount variable.

        - An informative message is printed displaying the filename and line count.
    - An outer try-catch block handles potential IOException thrown by countLinesInFile. If an exception occurs, an error message is printed for that specific filename.