Generate a code to Count the Number of Words, Character and Lines from the File using Stream I/O in Java.

CODE:

import java.io.BufferedReader;

import java.io.FileReader;

import java.io.IOException;

import java.util.Scanner;

public class FileStatistics {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter the file name: ");

String fileName = scanner.nextLine();

try (BufferedReader reader = new BufferedReader(new FileReader(fileName))) {

int wordCount = 0;

int charCount = 0;

int lineCount = 0;

String line;

while ((line = reader.readLine()) != null) {

lineCount++;

charCount += line.length();

String[] words = line.split("\\s+");

wordCount += words.length;

}

System.out.println("Number of words: " + wordCount);

System.out.println("Number of characters: " + charCount);

System.out.println("Number of lines: " + lineCount);

} catch (IOException e) {

System.out.println("An error occurred while reading the file.");

e.printStackTrace();

} finally {

scanner.close(); // Closing the scanner object

}

}

}

OUTPUT:

C:\javap>javac FileStatistics.java

C:\javap>java FileStatistics

Enter the file name: desktop

An error occurred while reading the file.

java.io.FileNotFoundException: desktop (The system cannot find the file specified)

at java.base/java.io.FileInputStream.open0(Native Method)

at java.base/java.io.FileInputStream.open(FileInputStream.java:213)

at java.base/java.io.FileInputStream.<init>(FileInputStream.java:152)

at java.base/java.io.FileInputStream.<init>(FileInputStream.java:106)

at java.base/java.io.FileReader.<init>(FileReader.java:60)

at FileStatistics.main(FileStatistics.java:13)

