APL Unit 13 Assignment

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• <u>Source Code</u>

```java
package reader;

import java.util.Scanner;

import java.io.*;

import java.io.FileNotFoundException;

import java.io.IOException;


public class Reader extends Thread
{
  private String filename;
  public Reader (String filename)
  {
    this.filename = filename;
  }

  public void run()
  {
    System.out.println("\nProcessing file: " + filename);

    File file = new File(filename);

    try(Scanner sc = new Scanner(new FileInputStream(file)))
    {
      int count=0;
      while(sc.hasNext())
```
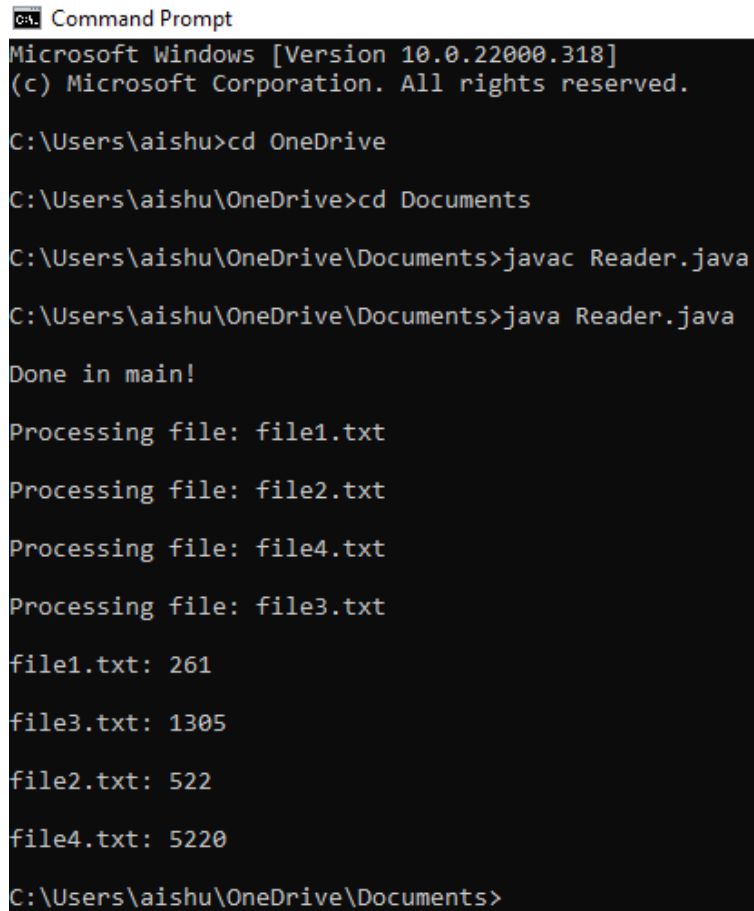
```java
      {
        sc.next();

        count++;

      }
      System.out.println("\n" +filename + ": " + count);

    }
    catch(FileNotFoundException ex)

    {

      System.out.println("\nFile " + filename + " not found");

    }
  }

  public static void main(String[] args)

  {

    try

    {

      Reader r4 = new Reader("file4.txt");

      Reader r1 = new Reader("file1.txt");

      Reader r3 = new Reader("file3.txt");

      Reader r2 = new Reader("file2.txt");

      r4.start();

      r1.start();

      r3.start();

      r2.start();

    }
    catch (Exception e)

    {

      System.out.println(e.getMessage());

    }
```

```
System.out.println("\nDone in main!");

}
```

- ## Output:

```
Command Prompt

Microsoft Windows [Version 10.0.22000.318]
(c) Microsoft Corporation. All rights reserved.

C:\Users\aishu>cd OneDrive

C:\Users\aishu\OneDrive>cd Documents

C:\Users\aishu\OneDrive\Documents>javac Reader.java

C:\Users\aishu\OneDrive\Documents>java Reader.java

Done in main!

Processing file: file1.txt

Processing file: file2.txt

Processing file: file4.txt

Processing file: file3.txt

file1.txt: 261

file3.txt: 1305

file2.txt: 522

file4.txt: 5220

C:\Users\aishu\OneDrive\Documents>
```