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Enrollment number - 21162101012

Branch - CBA , Batch - 31

OOP Practical 17

Problem : Consider an efficient file handler system designed to write contents and read the same from a file, delete a specific statement based on the condition and it should display a message as 'Deleted'. In case of null value captured within the file, it should display an exception.

1. Write a file
2. Read the file using BufferedReader
3. if the string read is not null, append content if content equals to a particular word, delete the line and continue.

Program :

```
package Hare_Krishna;

import java.io.BufferedReader;
import java.io.File;
import java.io.FileReader;
import java.io.FileWriter;
import java.util.Objects;

public class Prac_17
{
    static public void main(String... s) throws Exception
    {
        String name;
```

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```
File fl = new File("oop_17.txt");
if(fl.exists())
{
    System.out.println("This file exists");
    try (FileWriter fwrtr = new FileWriter("oop_17.txt"))
    {
        fwrtr.write("Hare Krishna!");
    }

    FileReader frdr = new FileReader("oop_17.txt");
    BufferedReader rd = new BufferedReader(frdr);
    if ((name = rd.readLine()) != null)
    {
        System.out.println(name);
    }
    method(Objects.requireNonNull(name));
}
else
{
    System.out.println("This file doesn't exist");
    fl.createNewFile();
}
```

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```
    }  
  
    }  
  
    static void method (String name)  
    {  
        String[] greet = name.split("\\s+");  
        for (String value : greet)  
        {  
            if (value.equals("impossible"))  
            {  
                System.out.println("You can't use the word  
'impossible'");  
                break;  
            }  
        }  
    }  
}
```

Output :

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```
package Hare_Krishna;

import java.io.BufferedReader;
import java.io.File;
import java.io.FileReader;
import java.io.FileWriter;
import java.util.Objects;

public class Prac_17
{
    static public void main(String... s) throws Exception
    {
        String name;
        File fl = new File( pathname: "oop_17.txt");
        if(fl.exists())
        {
            System.out.println("This file exists");
            try (FileWriter fwrtr = new FileWriter( fileName: "oop_17.txt"))
            {
                fwrtr.write( str: "Hare Krishna!");
            }

            FileReader frdr = new FileReader( fileName: "oop_17.txt");
            BufferedReader rd = new BufferedReader(frdr);
            if ((name = rd.readLine()) != null)
            {
                System.out.println(name);
            }
            method(Objects.requireNonNull(name));
        }
        else
        {
            System.out.println("This file doesn't exist");
            fl.createNewFile();
        }
    }
}
```

```
/usr/lib/jvm/default/bin/java
-javaagent:/usr/share/idea/lib/idea_rt
.jar=34665:/usr/share/idea/bin -Dfile.encoding=UTF-8
-classpath /home/yash/Documents/sem3practicals/OOP
/Hare_Krishna/bin/production/Hare_Krishna:/home/yash/
.m2/repository/org/jetbrains/kotlin/kotlin-stdlib-jdk8/1.7
.10/kotlin-stdlib-jdk8-1.7.10.jar:/home/yash/
.m2/repository/org/jetbrains/kotlin/kotlin-stdlib/1.7
.10/kotlin-stdlib-1.7.10.jar:/home/yash/
.m2/repository/org/jetbrains/kotlin/kotlin-stdlib-common/1
.7.10/kotlin-stdlib-common-1.7.10.jar:/home/yash/
.m2/repository/org/jetbrains/annotations/13
.0/annotations-13.0.jar:/home/yash/
.m2/repository/org/jetbrains/kotlin/kotlin-stdlib-jdk7/1.7
.10/kotlin-stdlib-jdk7-1.7.10
.jar:/home/yash/Documents/sem3practicals/OOP/Hare_Krishna
/mariadb-java-client-3.1.0.jar Hare_Krishna.Prac_17
This file exists
Hare Krishna!

Process finished with exit code 0
```

Result of 'File.createNewFile()' is ignored

```
Hare Krishna!
```

All files are up-to-date (moments ago)