

Assignment 03

Raktim Raihan Prova – 11548

Solution:

```
package com.bjit.java.training;

import java.io.BufferedReader;
import java.io.BufferedWriter;
import java.io.File;
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;

public class AssignmentThreeImplementation {

    public static void main(String[] args) throws IOException {

        //make a new directory under src folder if the directory doesn't
        exist
        File fileDirectory = new File("src//TextFiles");
        if(!fileDirectory.exists()){
            fileDirectory.mkdir();
            System.out.println("Directory Created Successfully. Path =
"+fileDirectory.getAbsolutePath());
        }
        else System.out.println("Old Directory Exists.Path
="+fileDirectory.getAbsolutePath());

        //define fileName
        String fileName = "11548_raktim.txt";
        //create file in that path
        File textFile = new
File(fileDirectory.getAbsolutePath()+"\\"+fileName);
        //check if file exist and create new File
        if(!textFile.exists()) {
            textFile.createNewFile();
            System.out.println("New File Created. File Name=
"+textFile.getName());
        }
        else System.out.println("File Exists. File Name=
"+textFile.getName());

        //Using BufferedWriter write texts into file.
        String content = "Hello this is Raktim. I am the author of this
file. ";
        //create buffered writer object
        BufferedWriter textWriter = new BufferedWriter(new
FileWriter(textFile));
        //write the content to the file
        textWriter.write(content);
        //initialize another to content
        content = "This file is written using Notepad.";
        //write another line
        textWriter.newLine();
        textWriter.write(content);

        //print file path
        System.out.println("File path= "+textFile.getPath());
```

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        textWriter.close();
        System.out.println("File modified Successfully.");

        //read the text File using Buffered Reader
        BufferedReader textReader = new BufferedReader(new
        FileReader(textFile));

        //read from file and print into console
        System.out.println("Content from the file...");
        String line;
        while((line = textReader.readLine()) != null) {
            System.out.println(line);
        }
        textReader.close();
    }
}

```

Output:

```

Old Directory Exists.Path =C:\Users\BJIT\Desktop\Git
BJIT\example1\11548_Raktim_Raihan_Prova\Assignment\AssignmentThreeFileI_O\src
\TextFiles
File Exists. File Name= 11548_raktim.txt
File path= C:\Users\BJIT\Desktop\Git
BJIT\example1\11548_Raktim_Raihan_Prova\Assignment\AssignmentThreeFileI_O\src
\TextFiles\11548_raktim.txt
File modified Successfully.
Content from the file...
Hello this is Raktim. I am the author of this file.
This file is written using Notepad.

```