

## Phase-1 Practice Project: Assisted Practice2

7. Writing a program in Java to create, read, update, and delete operations on the files in Java.

-->Source code:

```
package main;

import java.io.File;

import java.io.FileNotFoundException;

import java.io.FileWriter;

import java.io.IOException;

import java.util.Scanner;

public class Operation {

    public static void main(String[] args) {

        String fileName = "example.txt";

        File file = new File(fileName);

        // CREATE

        try {

            if (file.createNewFile()) {

                System.out.println("File created: " + file.getName());

            } else {

                System.out.println("File already exists.");

            }

        } catch (IOException e) {

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

            e.printStackTrace();

        }

        // WRITE

        try {
```

```
FileWriter writer = new FileWriter(fileName);

writer.write("Hello World!");

writer.close();

System.out.println("Successfully wrote to the file.");

} catch (IOException e) {

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

e.printStackTrace();

}

// READ

try {

Scanner scanner = new Scanner(file);

while (scanner.hasNextLine()) {

String data = scanner.nextLine();

System.out.println("File content: " + data);

}

scanner.close();

} catch (FileNotFoundException e) {

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

e.printStackTrace();

}

// UPDATE

try {

FileWriter writer = new FileWriter(fileName);

writer.write("Updated file content.");

writer.close();

System.out.println("Successfully updated the file.");

} catch (IOException e) {

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

```

e.printStackTrace();

}

// DELETE

if (file.delete()) {

System.out.println("File deleted: " + file.getName());

} else {

System.out.println("Failed to delete the file.");

}

}

}

}

```

