FILE HANDLING

CODE TO CREATE, UPDATE AND READ FILES:-->

```
package com.question7;

//import java.io.File;
//import java.io.FileReader;
//import java.io.IOException;
import java.io.*;
//import java.nio.file.Files;
//import java.nio.file.Path;
//import java.nio.file.Paths;
//import java.nio.file.StandardOpenOption;
import java.nio.file.*;
//import java.util.Arrays;
//import java.util.List;
import java.util.*;

public class CreateUpdateRead {

	//Creat file through File class
	public static void createFile() throws IOException {
		//give path to create file along with 'filename.txt'
		File file = new File("E:\\FilesDemo\\file1.txt");

		if (file.createNewFile()) {
			System.out.println("File is created.");
		} else {
			System.out.println("File already exists.");
		}

		//File is created till here.
	}

	// Writes or update data by using NIO class.
	public static void writeUpdateFile() throws IOException {
		//get path to perform operation
		Path path = Paths.get("E:\\\\FilesDemo\\\\file1.txt");
		String str = "Write or Update file using NIO\n";
		byte arr[] = str.getBytes();// converts str to byte array

		Files.write(path, arr);
		System.out.println("Data written successfully.");


		List<String> list=Arrays.asList("This  is my first line","This is my secondLine");
```

```
			Files.write(path, list, StandardOpenOption.APPEND);
			//StandardOpenOption.APPEND is used to append new data along with old data.
			//If we don't use this, then we can add data but old data will lost if exist.
			System.out.println("Lines written successfully.");

		}

		//Reads through FileReader class
		public static void readFile() throws IOException {
			FileReader file = new FileReader("E:\\\\FilesDemo\\\\file1.txt");
			int data;

			while ((data = file.read()) != -1)
				System.out.print((char)data);
			System.out.println("Data retrieve successfully.");
		}

		public static void main(String[] args) {
			try {
				createFile();
				writeUpdateFile();
				readFile();
			} catch (IOException e) {
				System.out.println(e);
			} finally {
				System.out.println("Exit...");
			}
		}
}
```

CODE TO CREATE AND THEN DELETE A FILE:-->

```
package com.question7;

//import java.io.File;
//import java.io.FileReader;
//import java.io.IOException;
import java.io.*;
//import java.nio.file.Files;
//import java.nio.file.Path;
//import java.nio.file.Paths;
//import java.nio.file.StandardOpenOption;
import java.nio.file.*;

public class DeleteFileDemo {
	//Create file through File class
		public static void createFile() throws IOException {
```

```
		//give path to create file along with 'filename.txt'
		File file = new File("E:\\FilesDemo\\file2.txt");

		if (file.createNewFile()) {
			System.out.println("File is created.");
		} else {
			System.out.println("File already exists.");
		}

		//File is created till here.
	}

	// Delete file through main method
	public static void main(String[] args) {
		try {
			createFile();

			Path path= Paths.get("E:\\FilesDemo\\file2.txt");
			if(Files.deleteIfExists(path))
				System.out.println("File deleted");
			else
				System.out.println("File not exist");

		} catch (IOException e) {
			System.out.println(e);
		} finally {
			System.out.println("Exit...");
		}
	}
}
```