**Writing a program in Java to create a file**

**import java.io.File;**

**import java.io.FileOutputStream;**

**import java.io.FileWriter;**

**import java.io.IOException;**

**import java.nio.charset.StandardCharsets;**

**import java.nio.file.Files;**

**import java.nio.file.Paths;**

**import java.nio.file.StandardOpenOption;**

**import java.util.Arrays;**

**import java.util.List;**

**public class CreateNewFile**

**{**

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

**{**

**createFileUsingFileClass();**

**createFileUsingFileOutputStreamClass();**

**createFileIn\_NIO();**

**}**

**private static void createFileUsingFileClass() throws IOException**

**{**

**File file = new File("c://temp//testFile1.txt");**

**//Create the file**

**if (file.createNewFile()){**

**System.out.println("File is created!");**

**}else{**

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

**}**

**//Write Content**

**FileWriter writer = new FileWriter(file);**

**writer.write("Test data");**

**writer.close();**

**}**

**private static void createFileUsingFileOutputStreamClass() throws IOException**

**{**

**String data = "Test data";**

**FileOutputStream out = new FileOutputStream("c://temp//testFile2.txt");**

**out.write(data.getBytes());**

**out.close();**

**}**

**private static void createFileIn\_NIO() throws IOException**

**{**

**String data = "Test data";**

**Files.write(Paths.get("c://temp//testFile3.txt"), data.getBytes());**

**List<String> lines = Arrays.asList("1st line", "2nd line")**

**Files.write(Paths.get("file6.txt"),**

**lines,**

**StandardCharsets.UTF\_8,**

**StandardOpenOption.CREATE,**

**StandardOpenOption.APPEND);**

**}**

**}**

**Writing a program in Java to read a file**

**import java.util.\*;**

**import java.nio.charset.StandardCharsets;**

**import java.nio.file.\*;**

**import java.io.\*;**

**public class ReadFileIntoList**

**{**

**public static List<String> readFileInList(String fileName)**

**{**

**List<String> lines = Collections.emptyList();**

**try**

**{**

**lines =**

**Files.readAllLines(Paths.get(fileName), StandardCharsets.UTF\_8);**

**}**

**catch (IOException e)**

**{**

**e.printStackTrace();**

**}**

**return lines;**

**}**

**public static void main(String[] args)**

**{**

**List l = readFileInList("c://temp//testFile2.txt");**

**Iterator<String> itr = l.iterator();**

**while (itr.hasNext())**

**System.out.println(itr.next());**

**}**

**}**

**Writing a program in Java to update a file**

**import java.io.BufferedReader;**

**import java.io.File;**

**import java.io.FileReader;**

**import java.io.FileWriter;**

**import java.io.IOException;**

**public class TextFileModificationProgram**

**{**

**static void modifyFile(String filePath, String oldString, String newString)**

**{**

**File fileToBeModified = new File(filePath);**

**String oldContent = "";**

**BufferedReader reader = null;**

**FileWriter writer = null;**

**try**

**{**

**reader = new BufferedReader(new FileReader(fileToBeModified));**

**String line = reader.readLine();**

**while (line != null)**

**{**

**oldContent = oldContent + line + System.lineSeparator();**

**line = reader.readLine();**

**}**

**String newContent = oldContent.replaceAll(oldString, newString);**

**writer = new FileWriter(fileToBeModified);**

**writer.write(newContent);**

**}**

**catch (IOException e)**

**{**

**e.printStackTrace();**

**}**

**finally**

**{**

**try**

**{**

**reader.close();**

**writer.close();**

**}**

**catch (IOException e)**

**{**

**e.printStackTrace();**

**}**

**}**

**}**

**public static void main(String[] args)**

**{**

**modifyFile("c://temp//testFile2.txt", "85", "95");**

**System.out.println("done");**

**}**

**}**

**Writing a program in Java to delete a file**

**import java.io.IOException;**

**import java.nio.file.\*;**

**public class Test**

**{**

**public static void main(String[] args)**

**{**

**try**

**{**

**Files.deleteIfExists(Paths.get("c://temp//testFile2.txt"));**

**}**

**catch(NoSuchFileException e)**

**{**

**System.out.println("No such file/directory exists");**

**}**

**catch(DirectoryNotEmptyException e)**

**{**

**System.out.println("Directory is not empty.");**

**}**

**catch(IOException e)**

**{**

**System.out.println("Invalid permissions.");**

**}**

**System.out.println("Deletion successful.");**

**}**

**}**