**Task1**

**Create a java program to read, write, and modify text files**

package intership;

import java.io.\*;

import java.nio.file.\*;

import java.util.List;

import java.util.Scanner;

public class fileUtility {

public static class CreateFile {

public void createNewFile() {

try {

File obj = new File("Flowers.txt");

if (obj.createNewFile()) {

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

} else {

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

}

} catch (IOException e) {

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

e.printStackTrace();

}

}

}

public static class WriteToFile {

public void write() {

try (FileWriter writer = new FileWriter("Flowers.txt")) {

writer.write("Flowers are the most beautiful creation of God.");

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

} catch (IOException e) {

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

e.printStackTrace();

}

}

}

public static class ReadFile {

public void read() {

try (Scanner sc = new Scanner(new File("Flowers.txt"))) {

while (sc.hasNextLine()) {

String data = sc.nextLine();

System.out.println(data);

}

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

} catch (FileNotFoundException e) {

System.out.println("File not found!");

e.printStackTrace();

}

}

}

public static class ModifyFile {

public void modify() {

String filepath = "Flowers.txt";

try {

List<String> lines = Files.readAllLines(Paths.get(filepath));

for (int i = 0; i < lines.size(); i++) {

lines.set(i, lines.get(i).replace("God", "Goddess"));

}

Files.write(Paths.get(filepath), lines);

System.out.println("File modified successfully");

} catch (IOException e) {

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

e.printStackTrace();

}

}

}

public static void main(String[] args) {

CreateFile createFile = new CreateFile();

createFile.createNewFile();

WriteToFile writeFile = new WriteToFile();

writeFile.write();

ReadFile readFile = new ReadFile();

readFile.read();

ModifyFile modifyFile = new ModifyFile();

modifyFile.modify();

}

}

Output:



