Swapnanil Dutta Roll:12

17.

Code:

```java
import java.io.File;
import java.io.FileReader;
import java.io.IOException;

//Display data directly from a file while output device is the monitor
public class File03 {

    public static void main(String[] args) {
        File f = null;
        FileReader fin = null;
        try {
            f = new File("input.txt");
            fin = new FileReader(f);
            int ch;

            while ((ch = fin.read()) != -1) {
                System.out.print((char) ch);
            }
        } catch (IOException e) {
            System.out.println(e);
        } finally {
            try {
                fin.close();
            } catch (IOException e) {
                System.out.println(e);
            }
        }
    }
}
```

Output:

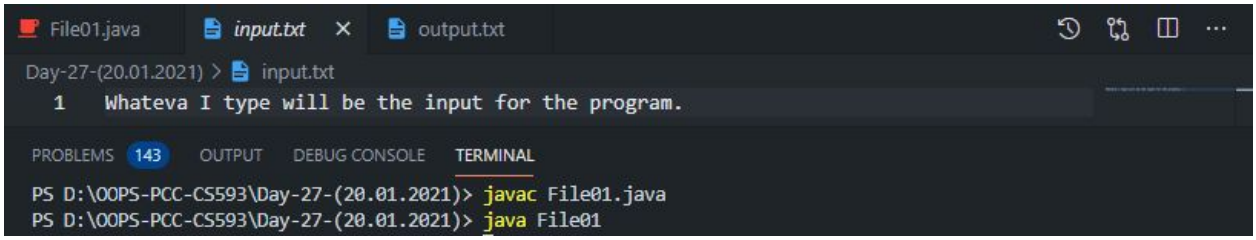
18.

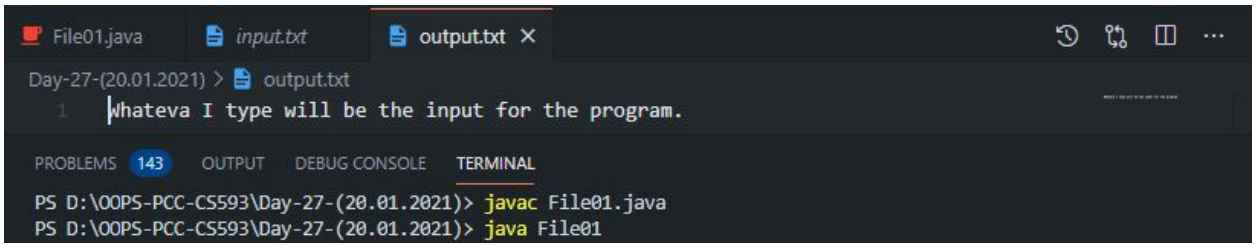
Code:

```java
import java.io.File;
import java.io.FileInputStream; //subclass of InputStream
import java.io.FileOutputStream; //subclass of OutputStream
import java.io.IOException;

//program to copy the contents one file to another
public class File01 {
    public static void main(String[] args) {
        File f1 = null;
        File f2 = null;
        FileInputStream fin = null;
        FileOutputStream fout = null;
        try {
            f1 = new File("input.txt");
            f2 = new File("output.txt");
            fin = new FileInputStream(f1);
            fout = new FileOutputStream(f2);
            int ch;
            while ((ch = fin.read()) != -1) {
                fout.write(ch);
            }
        } catch (IOException e) {
            System.out.println(e);
        } finally {
            try {
                fin.close();
                fout.close();
            } catch (IOException e) {
                System.out.println(e);
            }
        }
    }
}
```

Output:


File01.java
input.txt
output.txt
Day-27-(20.01.2021) > input.txt
1 Whateva I type will be the input for the program.
PROBLEMS 143
OUTPUT
DEBUG CONSOLE
TERMINAL
PS D:\OOPS-PCC-CS593\Day-27-(20.01.2021)> javac File01.java
PS D:\OOPS-PCC-CS593\Day-27-(20.01.2021)> java File01


File01.java
input.txt
output.txt
Day-27-(20.01.2021) > output.txt
1 Whateva I type will be the input for the program.
PROBLEMS 143
OUTPUT
DEBUG CONSOLE
TERMINAL
PS D:\OOPS-PCC-CS593\Day-27-(20.01.2021)> javac File01.java
PS D:\OOPS-PCC-CS593\Day-27-(20.01.2021)> java File01

19.

Code:

```java
import java.io.File;
import java.io.FileWriter;
import java.io.IOException;

//Store data directly into a file while input is taken from keyboard
public class File00 {
    public static void main(String[] args) {
        File f;
        FileWriter out = null;
        char c;
        try {
            f = new File("out.txt");
            out = new FileWriter(f);
            System.out.println("Enter characters (type '@' to quit): ");
            while ((c = (char) System.in.read()) != '@') {
                out.write(c);
            }
        } catch (IOException e) {
            System.out.println(e);
        } finally {
            try {
                out.close();
            } catch (Exception e) {
                System.out.println(e);
            }
        }
    }
}
```

Output:

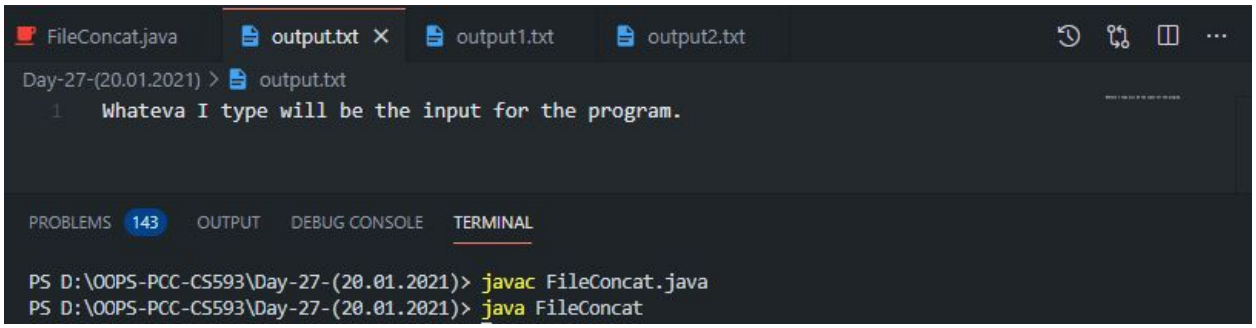
20.

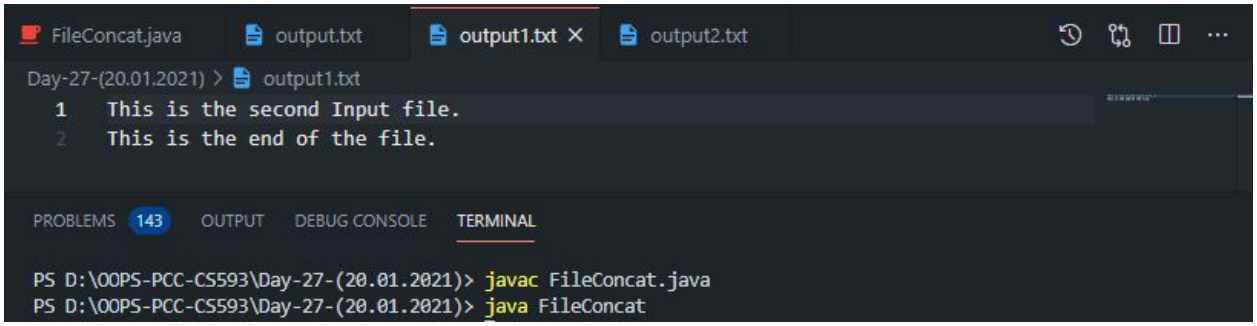
Code:

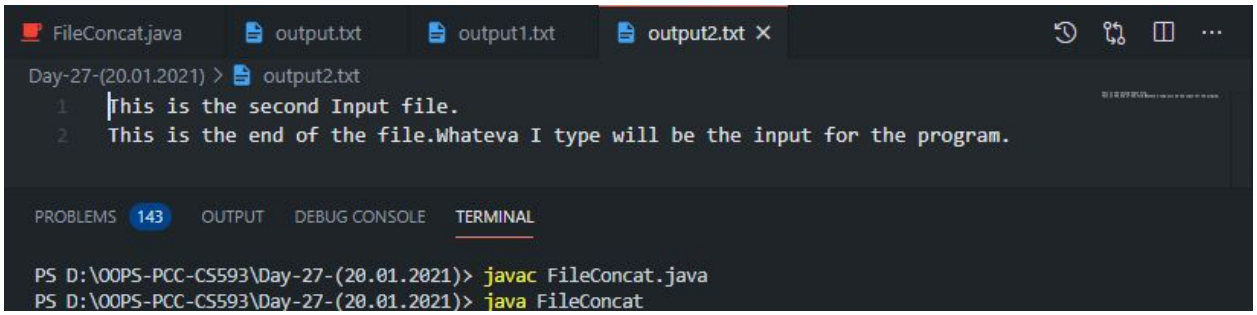
```
import java.io.*;

public class FileConcat {
    public static void main(String[] args) {
        File file = null, file1 = null, file2 = null;
        FileInputStream fis = null, fis1 = null;
        FileOutputStream fos = null;
        try {
            file = new File("output1.txt");
            file1 = new File("output.txt");
            file2 = new File("output2.txt");
            fis = new FileInputStream(file);
            fis1 = new FileInputStream(file1);
            fos = new FileOutputStream(file2);
            int ch;
            while ((ch = fis.read()) != -1) {
                fos.write(ch);
            }
            fis.close();
            while ((ch = fis1.read()) != -1) {
                fos.write(ch);
            }
        } catch (IOException e) {
            System.out.println(e);
        } finally {
            try {
                fis1.close();
                fos.close();
            } catch (IOException e) {
                System.out.println(e);
            }
        }
    }
}
```

Output:


FileConcat.java
output.txt
output1.txt
output2.txt
Day-27-(20.01.2021) > output.txt
1 Whateva I type will be the input for the program.
PROBLEMS 143
OUTPUT
DEBUG CONSOLE
TERMINAL
PS D:\OOPS-PCC-CS593\Day-27-(20.01.2021)> javac FileConcat.java
PS D:\OOPS-PCC-CS593\Day-27-(20.01.2021)> java FileConcat


FileConcat.java
output.txt
output1.txt
output2.txt
Day-27-(20.01.2021) > output1.txt
1 This is the second Input file.
2 This is the end of the file.
PROBLEMS 143
OUTPUT
DEBUG CONSOLE
TERMINAL
PS D:\OOPS-PCC-CS593\Day-27-(20.01.2021)> javac FileConcat.java
PS D:\OOPS-PCC-CS593\Day-27-(20.01.2021)> java FileConcat


FileConcat.java
output.txt
output1.txt
output2.txt
Day-27-(20.01.2021) > output2.txt
1 This is the second Input file.
2 This is the end of the file.Whateva I type will be the input for the program.
PROBLEMS 143
OUTPUT
DEBUG CONSOLE
TERMINAL
PS D:\OOPS-PCC-CS593\Day-27-(20.01.2021)> javac FileConcat.java
PS D:\OOPS-PCC-CS593\Day-27-(20.01.2021)> java FileConcat