OBJECT ORIENTED PROGRAMMING LAB

Name: Mathew Sebastian

Roll No: 18

Batch: S2 RMCA B

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Experiment No: (CO6) 4

Aim

Write a program that reads from a file having integers. Copy even numbers and odd numbers to separate files.

Procedure

```java
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;
import java.io.*;
import java.util.*;
import java.io.File;
public class oddeven {
public static void main(String[] args) {
try {
FileReader fr = new FileReader("numbers.txt");
BufferedReader br = new BufferedReader(fr);
File file1 = new File("oddnumbers.txt");
FileWriter fw1 = new FileWriter(file1);
File file2 = new File("evennumbers.txt");
FileWriter fw2 = new FileWriter(file2);
String num;
while ((num = br.readLine()) != null) {
if (Integer.parseInt(num) % 2 == 0) {
fw2.write(num + "\n");
} else {
fw1.write(num + "\n");
}
}
fw1.close();
fw2.close();
} catch (Exception e) {
System.out.println("Error");
}
}
}
```

Output Screenshot

```
Microsoft Windows [Version 10.0.19044.1706]
(c) Microsoft Corporation. All rights reserved.

D:\dck>javac oddeven.java

D:\dck>java oddeven
Error

D:\dck>javac oddeven.java

D:\dck>java oddeven

D:\dck>javac oddeven.java
```

oddnumbers.txt - Notepad
File Edit Format View Help
```
1
3
5
7
9
```

evennumbers.txt - Notepad
File Edit Format View Help
```
2
4
6
8
```