

OBJECT ORIENTED PROGRAMMING LAB

Experiment No.: 20

Aim

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

Procedure

```
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("oddnnumbers.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");
}
```

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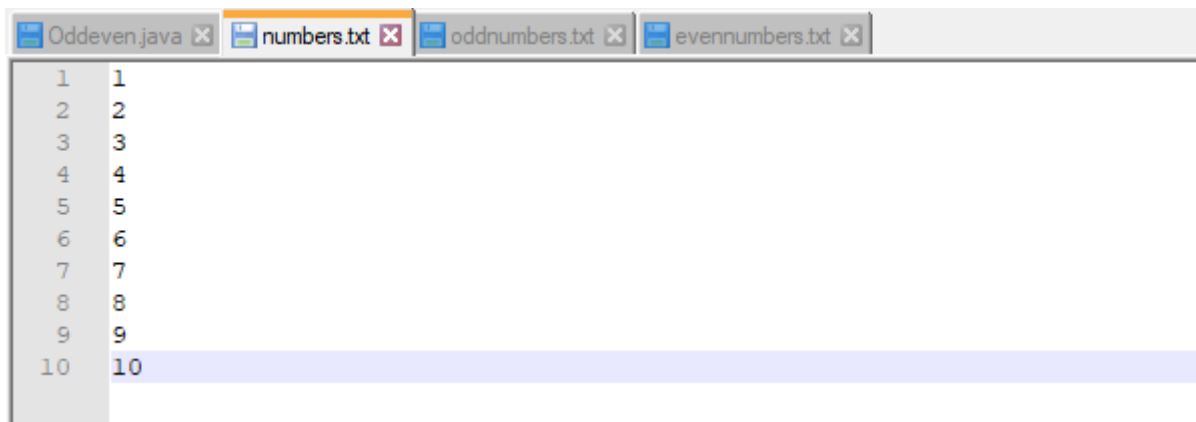
Date:30/05/2022

```
}  
  
}  
fw1.close();  
fw2.close();  
} catch (Exception e) {  
System.out.println("Error");  
}  
}  
}
```

Output

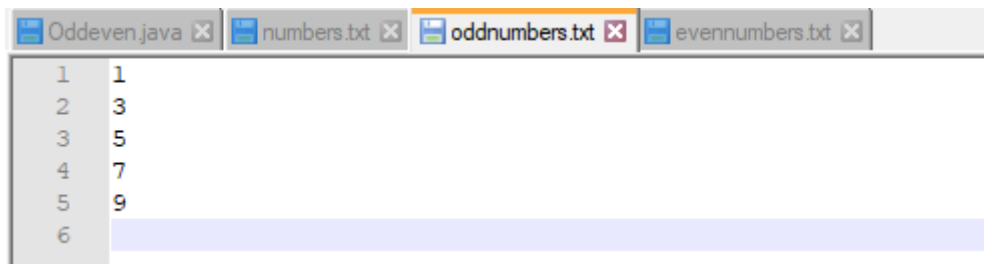
```
C:\Users\Student\Documents\java>javac Oddeven.java  
C:\Users\Student\Documents\java>java Oddeven
```

numbers.txt

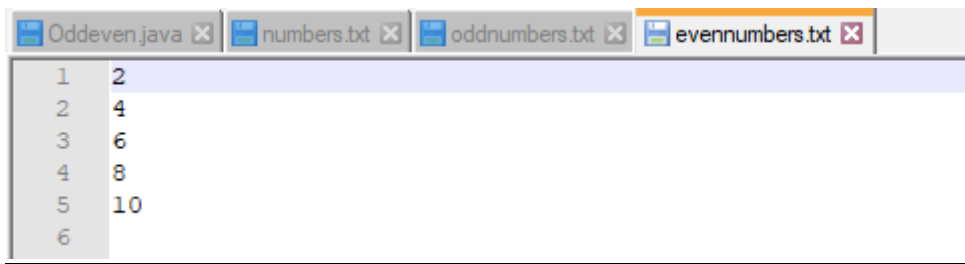


Line	Content
1	1 1
2	2 2
3	3 3
4	4 4
5	5 5
6	6 6
7	7 7
8	8 8
9	9 9
10	10 10

odddnumbers.txt



Line	Content
1	1 1
2	3 3
3	5 5
4	7 7
5	9 9
6	

evennumbers.txt

The screenshot shows a text editor window with the title bar 'evennumbers.txt'. The window contains a list of even numbers from 2 to 10, each preceded by a line number from 1 to 6. The first line, '1 2', is highlighted in blue.

1	2
2	4
3	6
4	8
5	10
6	