

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("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) {
```

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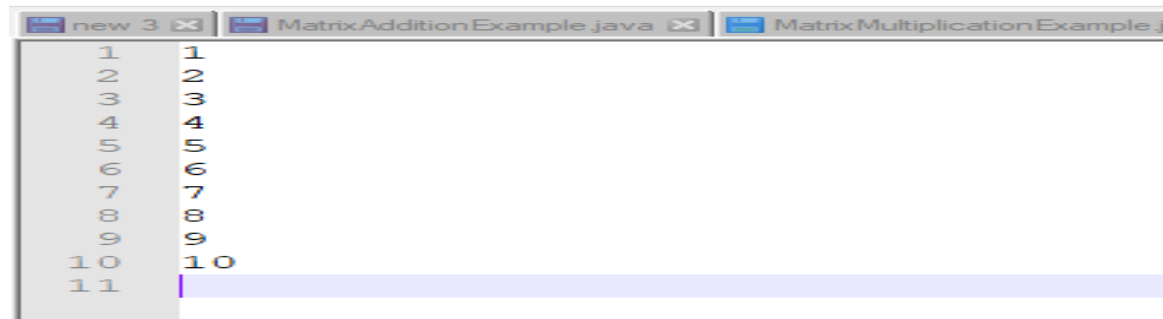
Batch: RMCA B

Date: 30/05/2022

```
        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:

```
D:\java>javac Oddeven.java
D:\java>java Oddeven
D:\java>
```



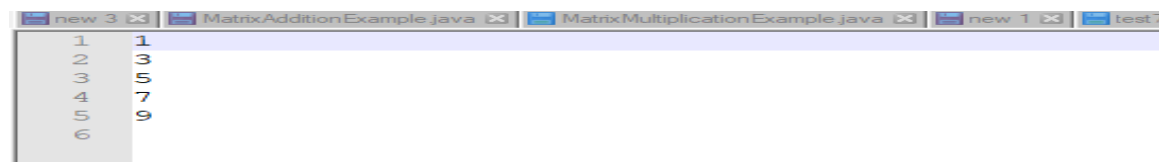
new 3 x MatrixAdditionExample.java x MatrixMultiplicationExample.j

1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	



new 3 x MatrixAdditionExample.java x MatrixMultiplicationExample.j

1	2
2	4
3	6
4	8
5	10
6	



new 3 x MatrixAdditionExample.java x MatrixMultiplicationExample.java x new 1 x test7

1	1
2	3
3	5
4	7
5	9
6	