

OBJECT-ORIENTED PROGRAMMING LAB**Name: VYSHNAVI BABU S****Roll No: 55****Batch: MCA - B****Date: 30-05-2022****Experiment No.: 4****Aim**

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

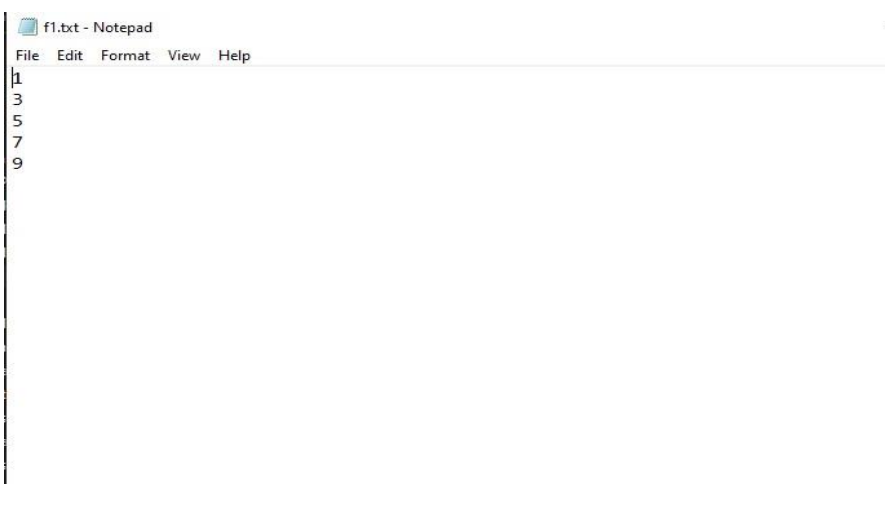
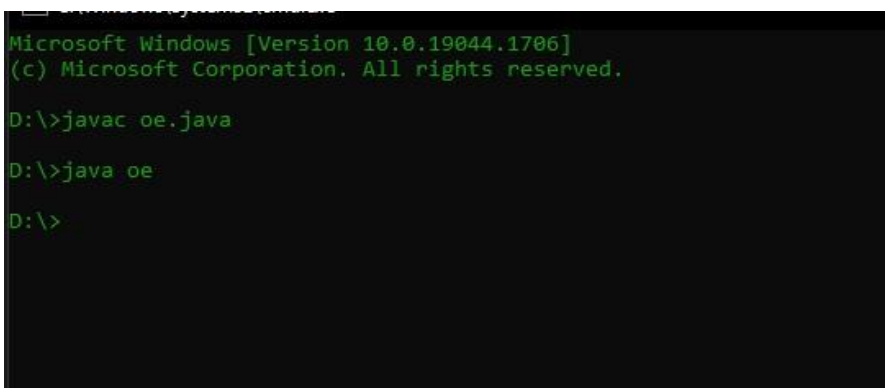
Program

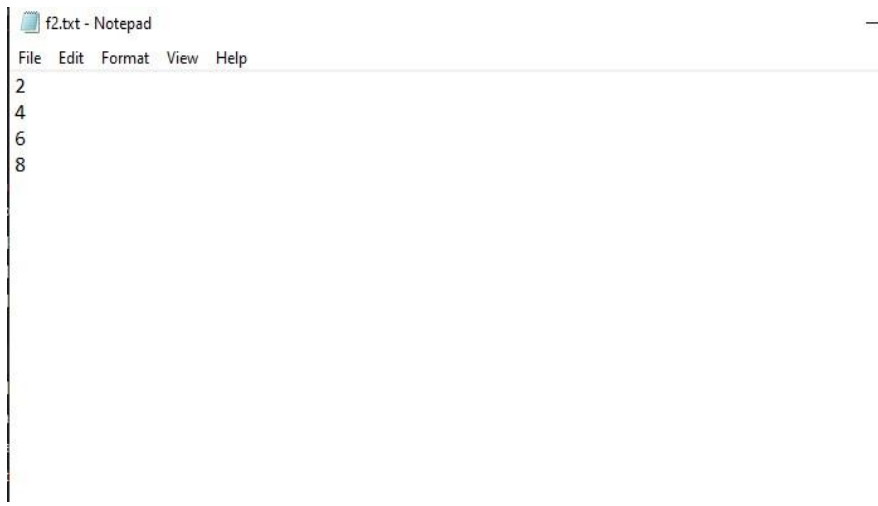
```
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;
import java.io.*;
import java.util.*;
import java.io.File;

public class oe {
    public static void main(String[] args){
        try {
            FileReader fr = new FileReader("f3.txt");
            BufferedReader br = new BufferedReader(fr);
            File file1 = new File("f1.txt");
            FileWriter fw1 = new FileWriter(file1);
            File file2 = new File("f2.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");
                }
            }
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}
```

```
fw1.write(num + "\n");  
}  
}  
fw1.close();  
fw2.close();  
} catch (Exception e) {  
System.out.println("Error");  
}  
}  
}
```

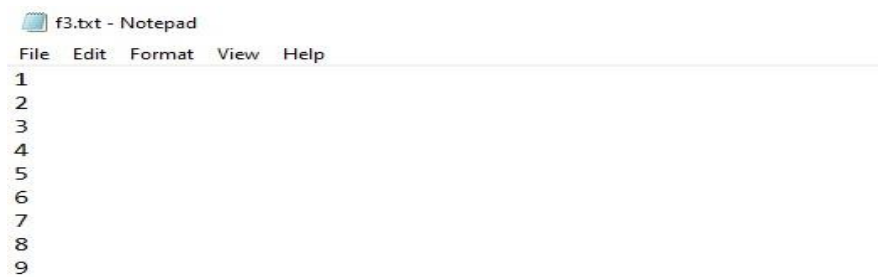
Output Screenshot





A screenshot of a Notepad window titled "f2.txt - Notepad". The window has a menu bar with "File", "Edit", "Format", "View", and "Help". The text area contains the numbers 2, 4, 6, and 8, each on a new line.

```
f2.txt - Notepad
File Edit Format View Help
2
4
6
8
```



A screenshot of a Notepad window titled "f3.txt - Notepad". The window has a menu bar with "File", "Edit", "Format", "View", and "Help". The text area contains the numbers 1 through 9, each on a new line.

```
f3.txt - Notepad
File Edit Format View Help
1
2
3
4
5
6
7
8
9
```