

OBJECT ORIENTED PROGRAMMING LAB**Experiment No: CO6-4****Name: Manya Madhu****Roll No: 17****Batch: S2 RMCA B****Date: 30-05-2022****Aim**

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

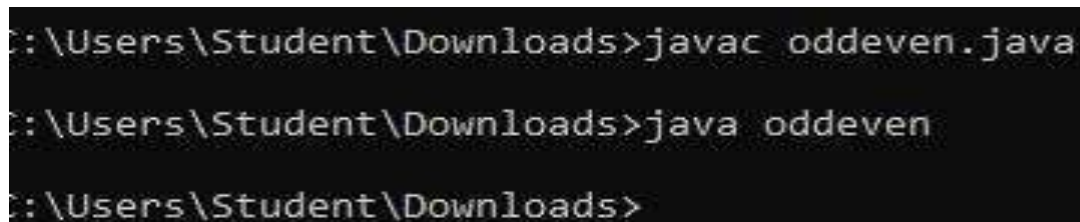
Procedure:

```
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");
                }
            }
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}
```

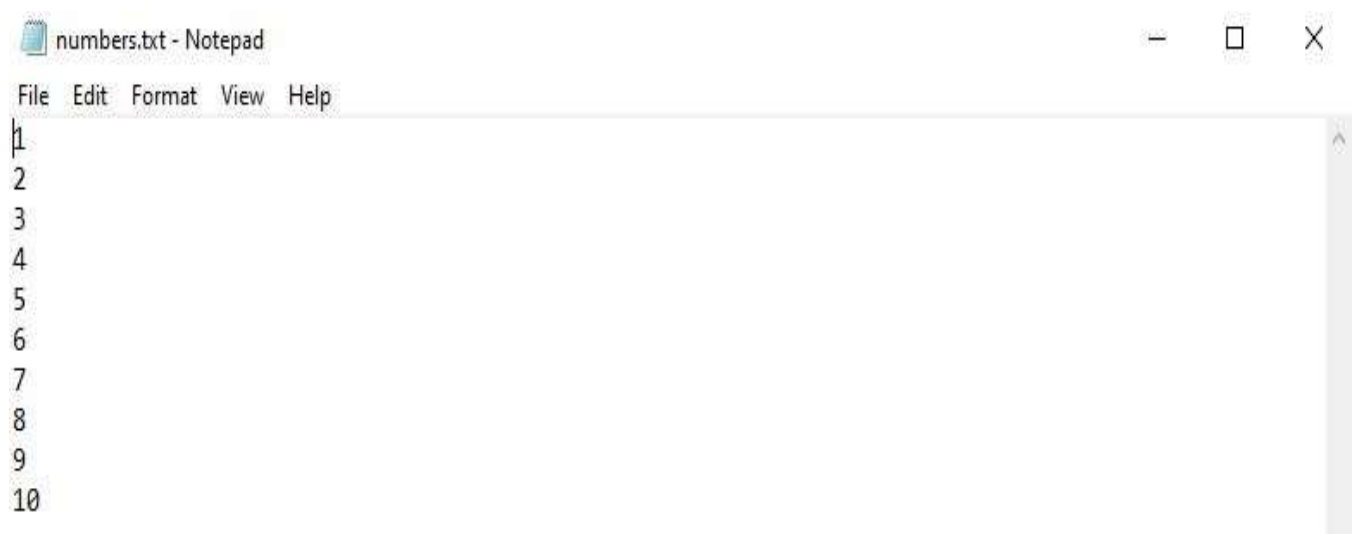
```
    }  
}  
fw1.close();  
fw2.close();  
} catch (Exception e) {  
    System.out.println("Error");  
}  
}  
}
```

Output:

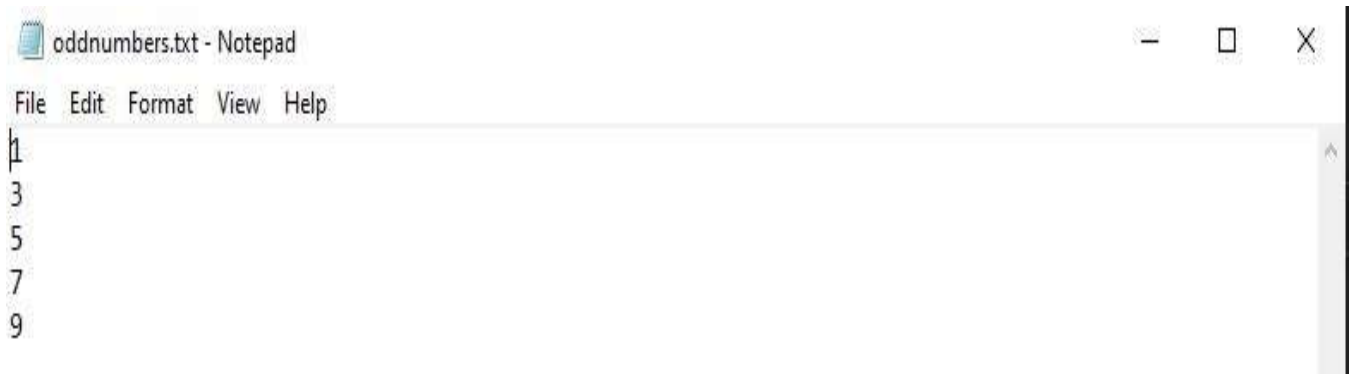


```
C:\Users\Student\Downloads>javac oddeven.java  
C:\Users\Student\Downloads>java oddeven  
C:\Users\Student\Downloads>
```

Numbers file



Odd numbers file

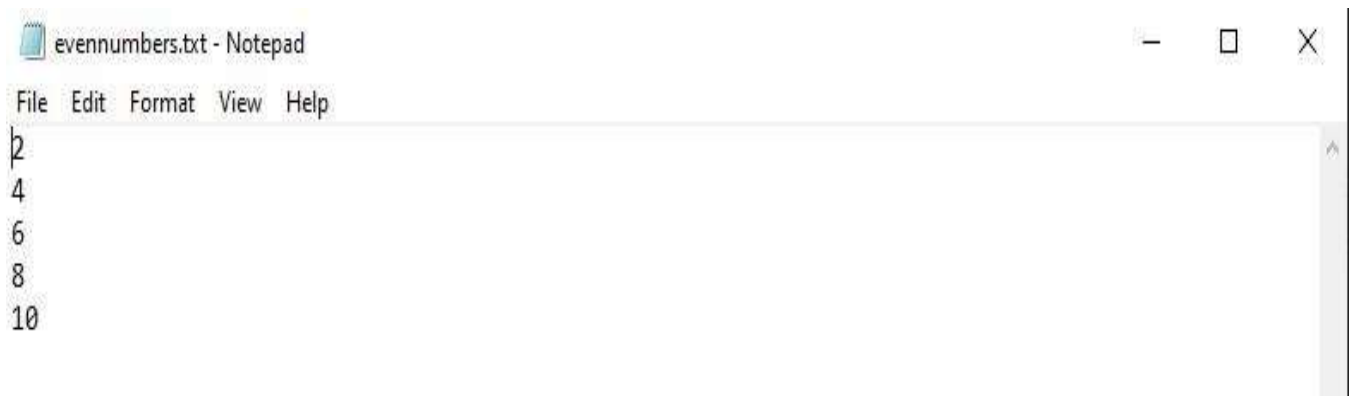


oddnnumbers.txt - Notepad

File Edit Format View Help

```
1  
3  
5  
7  
9
```

Even numbers file



evennumbers.txt - Notepad

File Edit Format View Help

```
2  
4  
6  
8  
10
```