

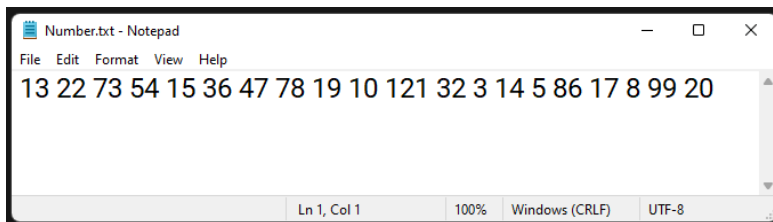
Institute of Computer Technology  
B. Tech Computer Science and Engineering  
Subject: OOP (2CSE303)

**PRACTICAL-21**

**AIM: - Athiya was assigned a task to categorize the odd and even numbers from a set of numbers read collectively which were present in a file. Develop the module in such a way that the storage of odd numbers and even numbers take place in separate files respectively.**

**INPUT**

**File: Number.txt**



**SOLUTION**

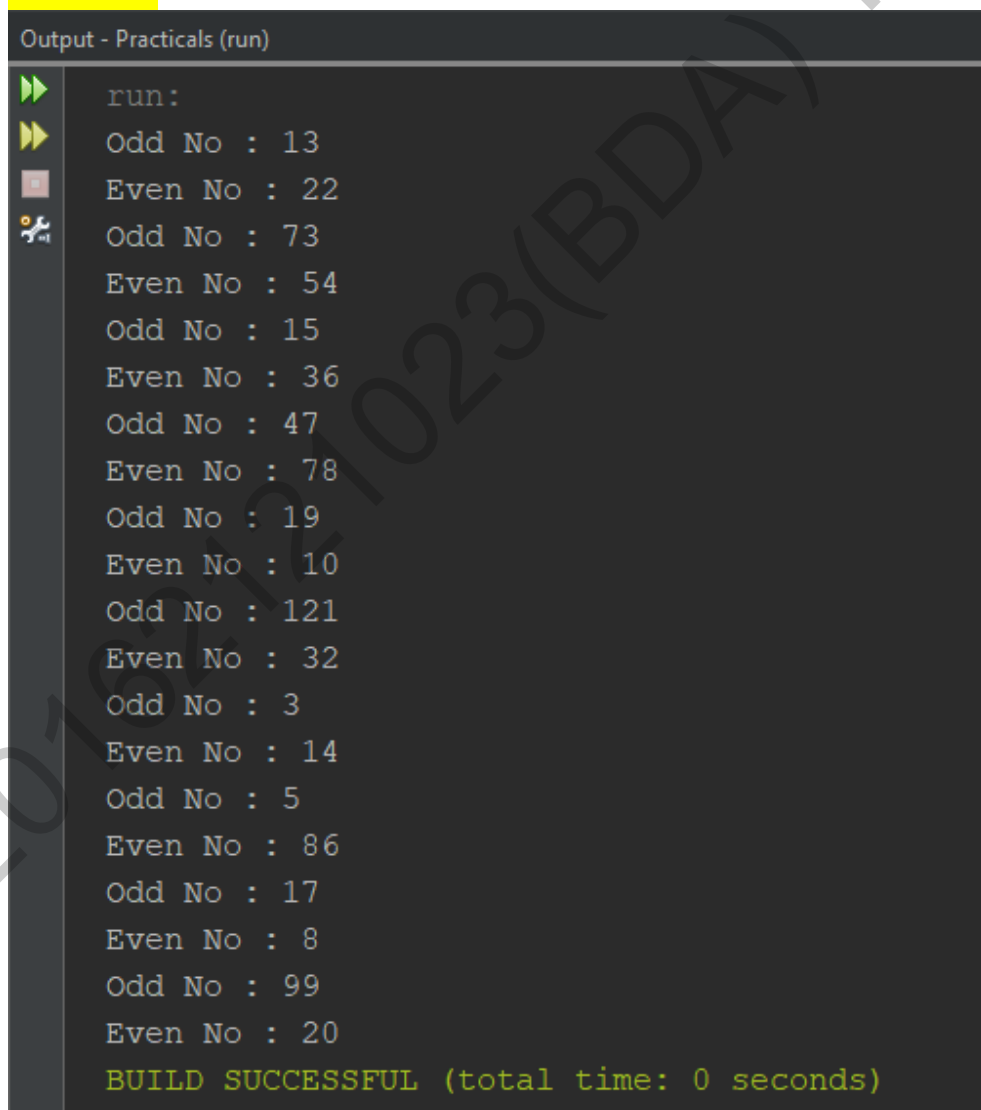
```
package practicals;
import java.io.*;
```

```
/**
 *
 * @author YashPrajapati
 */
public class prac21 {

    public static void main(String[] args) throws IOException {
        FileWriter f1 = new FileWriter(
            "C:\\Users\\admin\\Google Drive\\B-Tech\\guni-sem3-
            data\\SEM-3\\OOP\\OOP_Practicals\\Prac-21\\odd.txt");
        FileWriter f2 = new FileWriter(
            "C:\\Users\\admin\\Google Drive\\B-Tech\\guni-sem3-
            data\\SEM-3\\OOP\\OOP_Practicals\\Prac-21\\even.txt");
        FileReader fs = new FileReader(
            "C:\\Users\\admin\\Google Drive\\B-Tech\\guni-sem3-
            data\\SEM-3\\OOP\\OOP_Practicals\\Prac-21\\Number.txt");
        BufferedReader br = new BufferedReader(fs);
        String temp = "";
        while ((temp = br.readLine()) != null) {
            String[] words = temp.split("\\s");
```

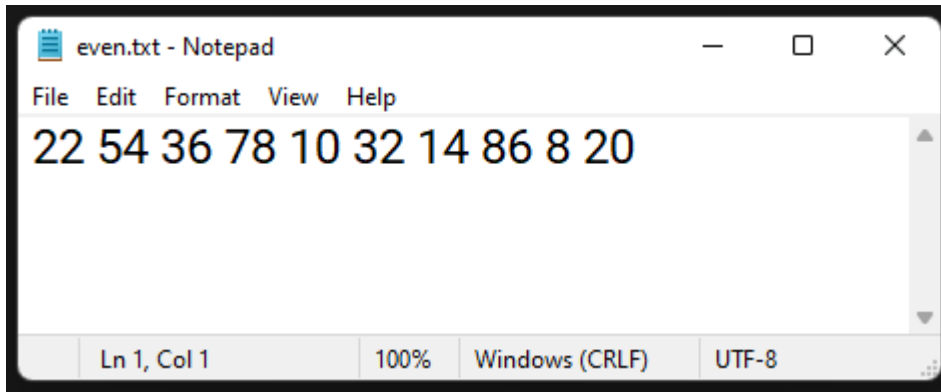
```
        for (String w : words) {  
            if (Integer.parseInt(w) % 2 == 0) {  
                f2.write(w + " ");  
                System.out.println("Even No : " + w + " ");  
            } else {  
                f1.write(w + " ");  
                System.out.println("Odd No : " + w + " ");  
            }  
        }  
    }  
    br.close();  
    f1.close();  
    f2.close();  
}  
}
```

## OUTPUT



```
Output - Practicals (run)  
run:  
Odd No : 13  
Even No : 22  
Odd No : 73  
Even No : 54  
Odd No : 15  
Even No : 36  
Odd No : 47  
Even No : 78  
Odd No : 19  
Even No : 10  
Odd No : 121  
Even No : 32  
Odd No : 3  
Even No : 14  
Odd No : 5  
Even No : 86  
Odd No : 17  
Even No : 8  
Odd No : 99  
Even No : 20  
BUILD SUCCESSFUL (total time: 0 seconds)
```

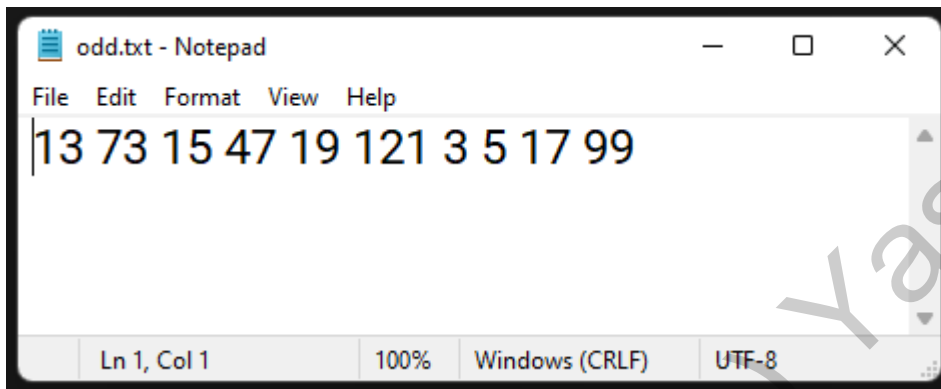
### File: even.txt



```

even.txt - Notepad
File Edit Format View Help
22 54 36 78 10 32 14 86 8 20
Ln 1, Col 1 100% Windows (CRLF) UTF-8
    
```

### File: odd.txt



```

odd.txt - Notepad
File Edit Format View Help
13 73 15 47 19 121 3 5 17 99
Ln 1, Col 1 100% Windows (CRLF) UTF-8
    
```