

OBJECT ORIENTED PROGRAMING LAB**Experiment No.: 20****Name : Swetha Prakash****Roll No : 46****Batch : B****Date : 31-05-22****Aim**

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

Source Code

```
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.IOException;

public class OddEvenFile
{
    public static void main(String[] args) throws IOException {

        FileInputStream source = new FileInputStream ("Main.txt");
        FileOutputStream destination_odd = new FileOutputStream ("Odd.txt");
        FileOutputStream destination_even = new FileOutputStream ("Even.txt");
        int i;
        while((i = source.read()) != -1){
            if(i%2==0) {
                destination_even.write(i);
            }
            else {
                destination_odd.write(i);
            }
        }
    }
}
```

```
}  
System.out.println("Copied");  
source.close();  
destination_even.close();  
destination_odd.close();  
}  
}
```

Output Screenshot

```
D:\Javalab>java OddEvenFile  
Copied
```

Main.txt - Notepad

File	Edit	Format	View	Help
1				
2				
3				
4				
5				
6				
7				
8				
9				

Odd.txt - Notepad

File	Edit	Format	View	Help
1				
3				
5				
7				
9				

Even.txt - Notepad

File	Edit	Format	View	Help
2				
4				
6				
8				