

# LAB – 3

Name: Ummadi. Mounika

Reg No: 18BCN7130

Write a file replication code to copy the same file for 50 times on the same directory.

The screenshot displays the Eclipse IDE on the left and a Windows File Explorer window on the right. The IDE shows the source code for a Java application named 'FileGenerator.java'. The code is designed to create 50 copies of a file named 'jay.txt' in a specified directory. The console output at the bottom of the IDE shows the successful creation of 'jay(49).txt' and 'jay(50).txt'. The File Explorer window on the right shows a directory named 'Test' containing 51 files, all named 'jay' followed by a number in parentheses, ranging from 'jay(18).txt' to 'jay.txt'. The files are all text documents of 1 KB size, created on 16-02-2021.

```
1 package NP;
2
3 import java.io.File; // Import the File class
4 import java.io.FileNotFoundException; // Import this class to handle err
5 import java.io.FileWriter;
6 import java.io.IOException;
7 import java.util.Scanner; // Import the Scanner class to read text files
8
9 public class FileGenerator {
10     public static void main(String[] args) throws IOException {
11         Scanner sc = new Scanner(System.in);
12         System.out.println("Enter the number of copies you want");
13         int n = sc.nextInt();
14         try {
15             File myObj = new File("E:\\College\\SEM - 6\\LABS\\SECURE-CODING\\T
16             Scanner myReader = new Scanner(myObj);
17             while (myReader.hasNextLine()) {
18                 String data = myReader.nextLine();
19                 //System.out.println(data);
20                 for(int i=0;i<n;i++)
21                 {
22                     File file = new File("E:\\College\\SEM - 6\\LABS\\SECURE-CODI
23                     if(file.createNewFile()) {
24                         FileWriter file1 = new FileWriter(file);
25                         file1.write(data);
26                         file1.close();
27                         System.out.println("File created: " + file.getName());
28                     }
29                 }
30             }
31             myReader.close();
32         } catch (FileNotFoundException e) {
33             System.out.println("An error occurred.");
34             e.printStackTrace();
35         }
36     }
37 }
```

Console Output:

```
<terminated> FileGenerator [Java Application] C:\Program Files\Java\jdk-15.0.2\bin\javaw.exe (16-Feb-2021, :
File created: jay(49).txt
File created: jay(50).txt
```

Name	Date modified	Type	Size
jay(18).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(19).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(20).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(21).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(22).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(23).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(24).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(25).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(26).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(27).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(28).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(29).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(30).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(31).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(32).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(33).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(34).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(35).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(36).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(37).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(38).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(39).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(40).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(41).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(42).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(43).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(44).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(45).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(46).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(47).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(48).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(49).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay(50).txt	16-02-2021 03:51 PM	Text Document	1 KB
jay.txt	16-02-2021 02:50 PM	Text Document	1 KB

C:\Windows\System32\diskpart.exe

Microsoft DiskPart version 10.0.19041.610

Copyright (C) Microsoft Corporation.

On computer: LAPTOP-OT4TJ0VC

DISKPART> list disk

Disk ###	Status	Size	Free	Dyn	Gpt
-----	-----	-----	-----	---	---
Disk 0	Online	476 GB	6144 KB		*

DISKPART> list vdisk

There are no virtual disks to show.

DISKPART> select disk 0

Disk 0 is now the selected disk.

DISKPART> list partition

Partition ###	Type	Size	Offset
-----	-----	-----	-----
Partition 1	System	260 MB	1024 KB
Partition 2	Reserved	16 MB	261 MB
Partition 3	Primary	476 GB	277 MB
Partition 4	Recovery	514 MB	476 GB

DISKPART> list vol

Volume ###	Ltr	Label	Fs	Type	Size	Status	Info
-----	---	-----	-----	-----	-----	-----	-----
Volume 0	C	Windows	NTFS	Partition	476 GB	Healthy	Boot
Volume 1		SYSTEM	FAT32	Partition	260 MB	Healthy	System
Volume 2		Windows RE	NTFS	Partition	514 MB	Healthy	Hidden

DISKPART> \_

C:\Users\MOUNIKA>where /R C:\ \*.exe | findstr firefox

C:\Program Files\Mozilla Firefox\firefox.exe

C:\Program Files\Mozilla Firefox\updated\firefox.exe

```
C:\Users\MOUNIKA>schtasks
```

```
Folder: \
```

TaskName	Next Run Time	Status
BlueStacksHelper	19-02-2021 23:37:45	Ready
HPAudioSwitch	N/A	Running
McAfeeLogon	N/A	Ready
OneDrive Standalone Update Task-S-1-5-21	20-02-2021 13:27:57	Ready
User_Feed_Synchronization-{4832F974-D849	19-02-2021 22:29:17	Ready

```
Folder: \Hewlett-Packard
```

TaskName	Next Run Time	Status
INFO: There are no scheduled tasks presently available at your access level.		

```
Folder: \Hewlett-Packard\HP Support Assistant
```

TaskName	Next Run Time	Status
WarrantyChecker	06-09-2021 21:04:30	Ready

```
Folder: \HP
```

TaskName	Next Run Time	Status
INFO: There are no scheduled tasks presently available at your access level.		

```
Folder: \Microsoft
```

TaskName	Next Run Time	Status
INFO: There are no scheduled tasks presently available at your access level.		

```
Folder: \Microsoft\Office
```

TaskName	Next Run Time	Status
Office Automatic Updates 2.0	20-02-2021 05:48:28	Ready
Office ClickToRun Service Monitor	20-02-2021 09:25:58	Ready