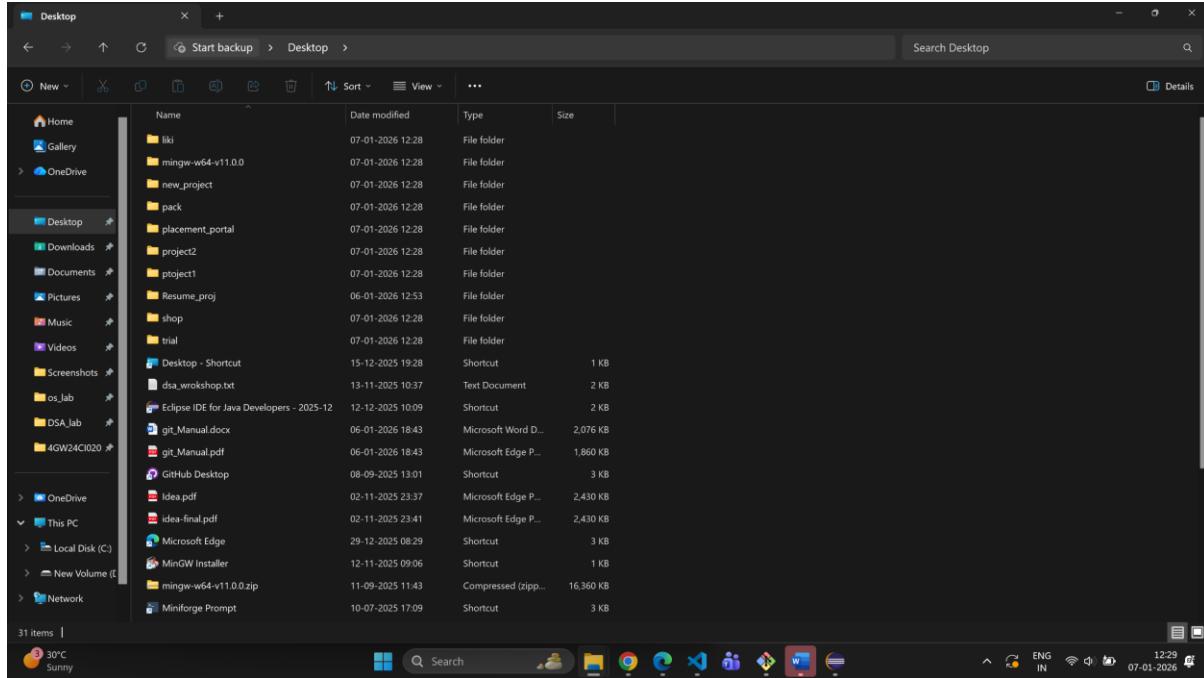
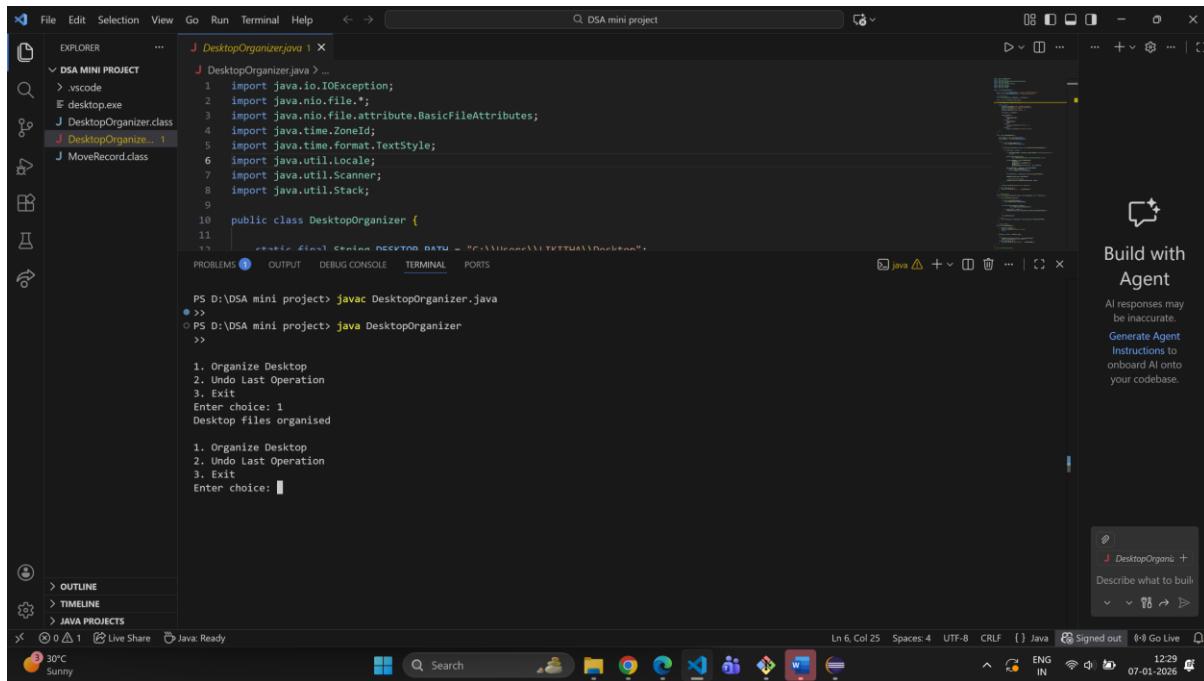


PROJECT DEMO SCREENSHOTS

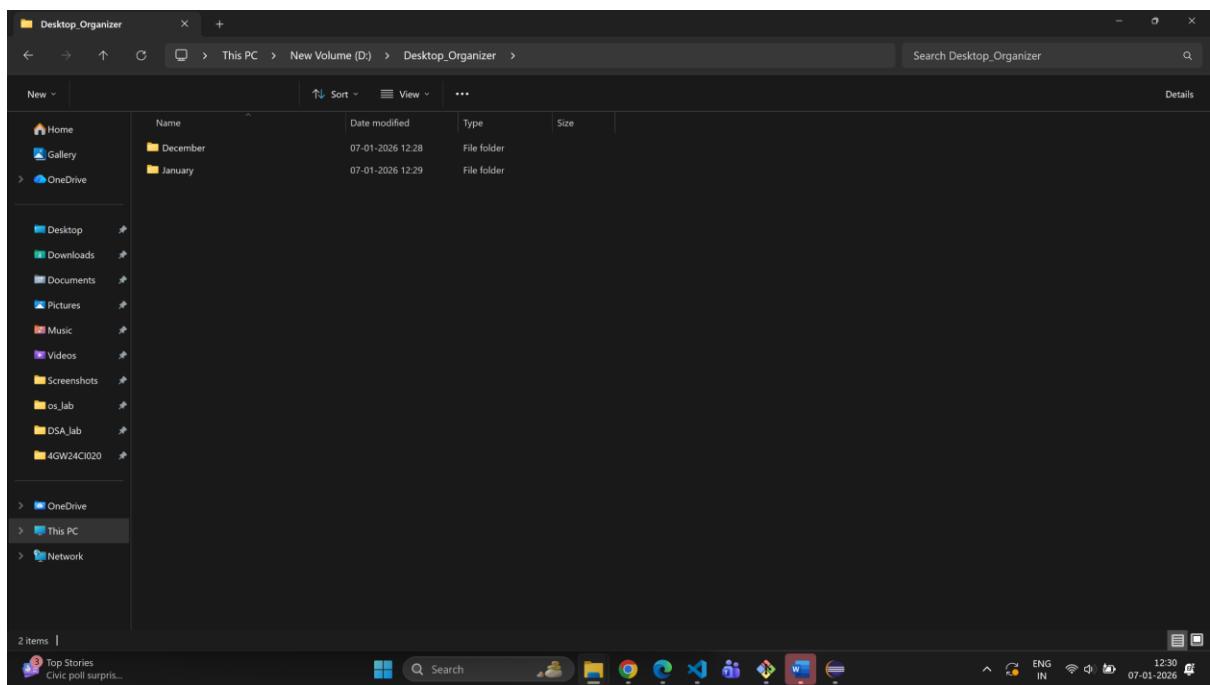
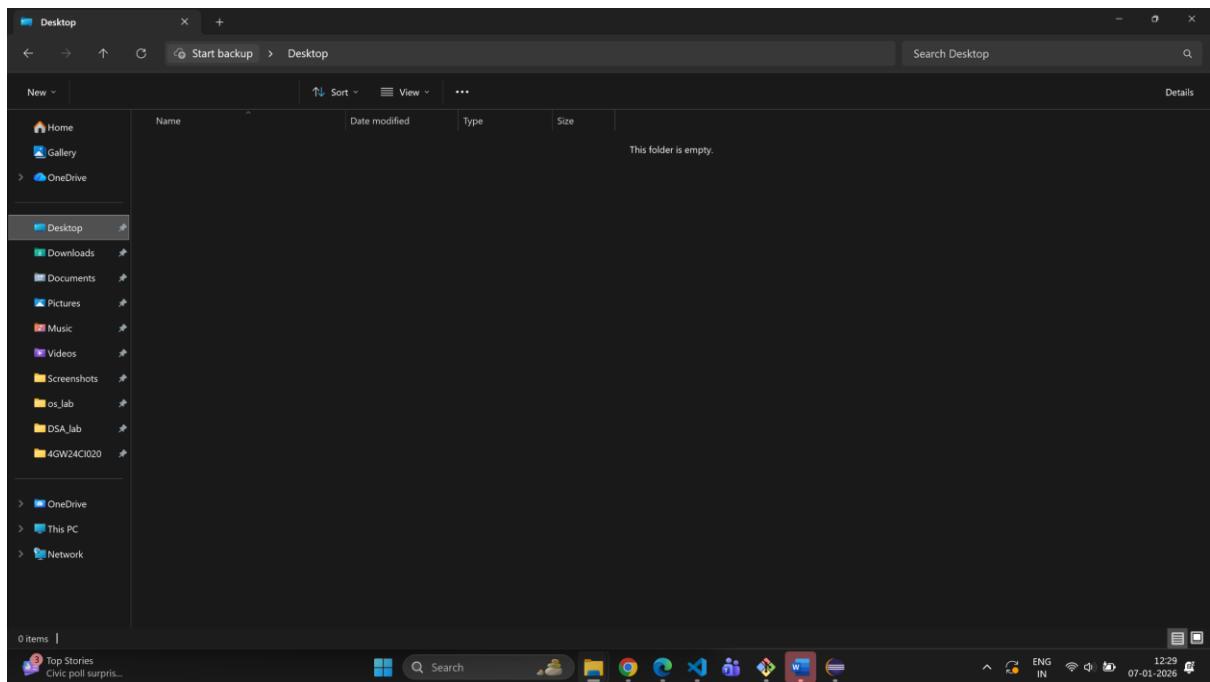
1. Before Running the code



2. When code is run it gives 3 options and when 1 is chosen files gets organized.



3. Files Organized and Empty Desktop



4. When 2 is selected last file/folder to go from the desktop , comes back

File Edit Selection View Go Run Terminal Help

DSA MINI PROJECT

DesktopOrganizer.java

```
1 import java.io.IOException;
2 import java.nio.file.*;
3 import java.nio.file.attribute.BasicFileAttributes;
4 import java.time.ZonedDateTime;
5 import java.time.format.TextStyle;
6 import java.util.Locale;
7 import java.util.Scanner;
8 import java.util.Stack;
9
10 public class DesktopOrganizer {
11     static final String DESKTOP_PATH = "C:\\Users\\User\\Desktop";
12
13     public static void main(String[] args) {
14         Stack<String> stack = new Stack<String>();
15         stack.push(DESKTOP_PATH);
16
17         while (true) {
18             System.out.println("1. Organize Desktop");
19             System.out.println("2. Undo Last Operation");
20             System.out.println("3. Exit");
21             System.out.print("Enter choice: ");
22
23             int choice = Integer.parseInt(System.console().readLine());
24
25             switch (choice) {
26                 case 1:
27                     organizeDesktop(stack);
28                     break;
29                 case 2:
30                     undoLastOperation(stack);
31                     break;
32                 case 3:
33                     System.out.println("Exiting...");
34                     return;
35                 default:
36                     System.out.println("Invalid choice");
37             }
38         }
39     }
40
41     private static void organizeDesktop(Stack<String> stack) {
42         String path = stack.pop();
43
44         File[] files = new File(path).listFiles();
45
46         if (files == null) {
47             System.out.println("No files found in " + path);
48             return;
49         }
50
51         for (File file : files) {
52             if (file.isDirectory()) {
53                 stack.push(file.getAbsolutePath());
54                 organizeDesktop(stack);
55             } else {
56                 moveFile(file);
57             }
58         }
59     }
60
61     private static void moveFile(File file) {
62         Scanner scanner = new Scanner(System.in);
63
64         System.out.print("Enter new name for " + file.getName() + ": ");
65         String newName = scanner.nextLine();
66
67         try {
68             Files.move(file.toPath(), Paths.get(path + newName));
69         } catch (IOException e) {
70             System.out.println("Error moving file: " + e.getMessage());
71         }
72     }
73
74     private static void undoLastOperation(Stack<String> stack) {
75         if (stack.isEmpty()) {
76             System.out.println("Nothing to undo");
77             return;
78         }
79
80         String path = stack.pop();
81
82         try {
83             Files.createDirectories(Paths.get(path));
84         } catch (IOException e) {
85             System.out.println("Error creating directory: " + e.getMessage());
86         }
87
88         moveFile(new File(path));
89     }
90
91     private static void moveFile(File file) {
92         Scanner scanner = new Scanner(System.in);
93
94         System.out.print("Enter new name for " + file.getName() + ": ");
95         String newName = scanner.nextLine();
96
97         try {
98             Files.move(file.toPath(), Paths.get(path + newName));
99         } catch (IOException e) {
100            System.out.println("Error moving file: " + e.getMessage());
101        }
102    }
103}
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS D:\\DSA mini project> **java** DesktopOrganizer.java

>>>

PS D:\\DSA mini project> **java** DesktopOrganizer

>>>

1. Organize Desktop
2. Undo Last Operation
3. Exit
Enter choice: 1
Desktop files organised

1. Organize Desktop
2. Undo Last Operation
3. Exit
Enter choice: 2
Undo successful

1. Organize Desktop
2. Undo Last Operation
3. Exit
Enter choice: 1

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Java Ready

Ln 6, Col 25 Spaces: 4 UFT-8 CRLF Java Signed out 12:30 ENG IN 07-01-2026

