

Unified Access x Mail - Mulagala S - Outlook x Practice Labs x DEFAULT x WhatsApp x +

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Applications eclipse-workspace - mo... 00:14 mulagalasmphasi

eclipse-workspace - mohan/src/mohan/ProjectPhase1.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- mohan
  - src
    - mohan
      - arithmeticcalculator.java
      - bugfix.java
      - emailid.java
      - filehandling.java
      - longestincreasingsubsequence.java
      - package-info.java
      - ProjectPhase1.java
    - JRE System Library [java-8-openjdk-amd64]
    - records.txt

```
1 package mohan;
2 import java.io.File;
3 import java.io.IOException;
4 import java.util.Arrays;
5 import java.util.Scanner;
6
7 public class ProjectPhase1
8 {
9     static String MY_Dir;
10    File myFolder;
11
12    public ProjectPhase1()
13    {
14        MY_Dir = System.getProperty("user.dir");
15        myFolder = new File("C:\\java files");
16        if (!myFolder.exists())
17            myFolder.mkdirs();
18        System.out.println("MyFilePath : " + myFolder.getAbsolutePath());
19    }
20
21    private static final String WELCOME_TO_MY_COMPANY_PORTAL =
22    "\n Welcome to LockedMe.com Phase 1 Project " + " " + "\n By Harivardhanreddy " + " " + "\n From Company Lockers Pvt. Ltd"
23
24    private static final String The_LOGIC_PART =
25    "\nMAIN MENU - Select any one of the following operations: \n"+
26    "1 - List the types of files in directory\n"+
27    "2 - Perform functions like Add, Delete or Search\n"+
28    "3 - Exit";
29
30    private static final String THE_FUNCTIONALITY_PART =
31    "\nSelect any one of the following operations: \n"+
32    "1 - Add a file\n"+
33    "2 - Delete a file\n"+
34    "3 - Exit";
35 }
```

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```
32         " | 3 - Search a file\n"+
33         " | 4 - Go Back to Logic Part";
34
35     void firstView() {
36         System.out.println(The_LOGIC_PART);
37         try(Scanner scanner = new Scanner(System.in)){
38
39             int option = scanner.nextInt();
40             switch (option){
41                 case 1 : {
42                     showListOfFiles();
43                     firstView();
44                 }
45                 case 2 : {
46                     secondView();
47                 }
48                 case 3 : {
49                     System.out.println("Thank You");
50                     System.exit(0);
51                 }
52                 default: firstView();
53             }
54         }
55         catch (Exception e){
56             System.out.println("Please enter 1, 2 or 3");
57             firstView();
58         }
59     }
60
61     void secondView() {
62         System.out.println(The_FUNCTIONALITY_PART);
```

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eclipse-workspace - mohan/src/mohan/ProjectPhase1.java - Eclipse IDE

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```
62 System.out.println(THE_FUNCTIONALITY_PART);
63 try(Scanner scanner = new Scanner(System.in))
64 {
65     char[] input = scanner.nextLine().toLowerCase().trim().toCharArray();
66     char logic = input[0];
67
68     switch (logic){
69         case '1' : {
70             System.out.print("Please Enter a File Name you want to Add : ");
71             String filename = scanner.next().trim().toLowerCase();
72             addFileMethod(filename);
73             break;
74         }
75         case '2' : {
76             System.out.print("Please Enter a File Name you want to Delete : ");
77             String filename = scanner.next().trim();
78             deleteFileMethod(filename);
79             break;
80         }
81         case '3' : {
82             System.out.print("Please Enter a File Name you want to Search For : ");
83             String filename = scanner.next().trim();
84             searchFileMethod(filename);
85             break;
86         }
87         case '4' : {
88             System.out.println("Going back to main logic part");
89             firstView();
90             break;
91         }
92         default : System.out.println("Please enter correct values to search the data in list");
```

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```
92         default : System.out.println("Please enter correct values to search the data in list");
93     }
94     secondView();
95 }
96 catch (Exception e){
97     System.out.println("Please enter correct values to search the data in list");
98     secondView();
99 }
100 }
101 void showListOfFiles() {
102     if (myFolder.list().length==0)
103         System.out.println("The folder is empty");
104     else {
105         String[] list = myFolder.list();
106         System.out.println("The files in " + myFolder + " are :");
107         Arrays.sort(list);
108         for (String str:list) {
109             System.out.println(str);
110         }
111     }
112 }
113 void addFileMethod(String filename) throws IOException {
114     File filepath = new File(myFolder + "/" + filename);
115     String[] list = myFolder.list();
116     for (String file: list) {
117         if (filename.equalsIgnoreCase(file)) {
118             System.out.println("File " + filename + " already exists at " + myFolder);
119             return;
120         }
121     }
122     filepath.createNewFile();
```

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