

Virtual Key for Your Repositories

1. Sprint Planning

Task	Status	Sprint
Understanding Problem Statement	Completed	Sprint 1
Created Git Repository	Completed	Sprint 1
Created the flow of the application	Completed	Sprint 1
Development of the project	Completed	Sprint 1
Review prototype build	Completed	Sprint 1
Refine prototype build	Completed	Sprint 2
Debugging Errors	Completed	Sprint 2
Tested the project on various kinds of inputs	Completed	Sprint 2
1st round testing	Completed	Sprint 2
Bug fixes	Completed	Sprint 2
2nd round testing	Completed	Sprint 3
Bug fixes	Completed	Sprint 3
Final Draft	Completed	Sprint 3
Pushed the project onto my Github Repository	Completed	Sprint 3
Created the Specification document	Completed	Sprint 3

2. Concepts Used

- File Handling
- Exception Handling
- Input and Output Stream
- Flow Control
- Looping Control

3. Algorithm Used

Start

Created a Directory named Project and inside it created a main folder

Display files in ascending order

Execute User Enabled Operations

Terminate the Program

Go to Previous Menu

File Add

File delete

Search File

Previous Menu

Terminate Program

Previous Menu

Exit

4. Output Screenshots


```
Javatrainings - Course1PracticeProjects/src/Phase1Assessment/VirtualKeyRepository.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Console VirtualKeyRepository.java x
69 boolean folder2 = new File(folder, name1).exists();
70 System.out.println(folder2);
71 if (folder2 == true) {
72     File folder3 = new File(folder, name1);
73     folder3.delete();
74     System.out.println("File successfully deleted");
75 } else {
76     System.out.println("File does not exist");
77 }
78 break;
79
80
81
82 case 3:
83 System.out.println("Enter a keyword to search");
84 String search = scan.next();
85
86 File arr1[] = folder.listFiles();
87 for(int a=0;a<arr1.length;a++){
88     if(arr1[a].getName().startsWith(search)){
89         System.out.println(arr1[a]);
90     }else{
91         System.out.println("No file found");
92     }
93 }
94 break;
95
96 case 4:
97     temp = false;
98     break;
99
100 case 5:
101
102     System.out.println(" Program Terminated Successfully \n\n =====");
103     System.exit(0);
104 }
```

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32°C Sunny

```
Javatrainings - Course1PracticeProjects/src/Phase1Assessment/VirtualKeyRepository.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Console VirtualKeyRepository.java x
95
96 case 4:
97     temp = false;
98     break;
99
100 case 5:
101
102     System.out.println(" Program Terminated Successfully \n\n =====");
103     System.exit(0);
104 default:
105     System.out.println("Input correct value and retry");
106 }
107 }
108 break;
109
110 case 3:
111 System.out.println(" Program Terminated Successfully \n\n =====");
112 System.exit(0);
113 default:
114     System.out.println("Input correct value and retry");
115     break;
116 }
117 }
118 }
119 }
120 }
121 }
122 }
123 }
124 }
125 }
126 }
127 }
128 }
129 }
130 }
```

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```
Javatrainings - Eclipse IDE
File Edit Navigate Search Project Run Window Help
VirtualKeyRepository.java
Welcome to LockedMe.com
This application was developed by Aswin Kumar M
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*****
Select any of the following functions to execute :- *****
1. To display the files in ascending order
2. To execute User Enabled Operations
3. Terminate Program
```

```
Javatrainings - Eclipse IDE
File Edit Navigate Search Project Run Window Help
VirtualKeyRepository.java
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*****
Select any of the following functions to execute :- *****
1. To display the files in ascending order
2. To execute User Enabled Operations
3. Terminate Program
1
E:\JAVAFSD\Javatrainings\Javatrainings\Course1PracticeProjects\src\PhaselAssessment\ProjectDirectory\adf
E:\JAVAFSD\Javatrainings\Javatrainings\Course1PracticeProjects\src\PhaselAssessment\ProjectDirectory\errr
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*****
Select any of the following functions to execute :- *****
1. To display the files in ascending order
2. To execute User Enabled Operations
3. Terminate Program
```

```
Javatrainings - Eclipse IDE
File Edit Navigate Search Project Run Window Help
VirtualKeyRepository [Java Application] C:\Users\sayha\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jul-2022, 12:58:00 pm) [pid: 14384]

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*****

Select any of the following functions to execute :- *****
1. To display the files in ascending order
2. To execute User Enabled Operations
3. Terminate Program
1
E:\JAVAFSD\Javatrainings\Javatrainings\CoursePracticeProjects\src\PhaseAssessment\ProjectDirectory\adf
E:\JAVAFSD\Javatrainings\Javatrainings\CoursePracticeProjects\src\PhaseAssessment\ProjectDirectory\rrer
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*****

Select any of the following functions to execute :- *****
1. To display the files in ascending order
2. To execute User Enabled Operations
3. Terminate Program
2
1. To Add a file
2. To Delete a file
3. To Search a specified file
4. Previous Menu
5. Terminate Program
```

```
Javatrainings - Eclipse IDE
File Edit Navigate Search Project Run Window Help
VirtualKeyRepository [Java Application] C:\Users\sayha\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jul-2022, 12:58:00 pm) [pid: 14384]

3. Terminate Program
1
E:\JAVAFSD\Javatrainings\Javatrainings\CoursePracticeProjects\src\PhaseAssessment\ProjectDirectory\adf
E:\JAVAFSD\Javatrainings\Javatrainings\CoursePracticeProjects\src\PhaseAssessment\ProjectDirectory\rrer
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3. Terminate Program
2
1. To Add a file
2. To Delete a file
3. To Search a specified file
4. Previous Menu
5. Terminate Program
2
Enter a file name
adf
true
File successfully deleted
1. To Add a file
2. To Delete a file
3. To Search a specified file
4. Previous Menu
5. Terminate Program
```

```
Javatrainings - Eclipse IDE
File Edit Navigate Search Project Run Window Help

Console x VirtualKeyRepository.java
VirtualKeyRepository [Java Application] C:\Users\sayha\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jul-2022, 12:58:00 pm) [pid: 14384]

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Enter a file name
adf
true
File successfully deleted
1. To Add a file
2. To Delete a file
3. To Search a specified file
4. Previous Menu
5. Terminate Program
3
Enter a keyword to search
rerr
E:\JAVAFSD\Javatrainings\Javatrainings\CourselPracticeProjects\src\PhaselAssessment\ProjectDirectory\rerr
1. To Add a file
2. To Delete a file
3. To Search a specified file
4. Previous Menu
5. Terminate Program
4
```

```
Javatrainings - Eclipse IDE
File Edit Navigate Search Project Run Window Help

Console x VirtualKeyRepository.java
<terminated> VirtualKeyRepository [Java Application] C:\Users\sayha\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.3.v20220515-1416\jre\bin\javaw.exe (30-Jul-2022, 12:58:00 pm - 1:01:11 pm) [pid: 14384]

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1. To Add a file
2. To Delete a file
3. To Search a specified file
4. Previous Menu
5. Terminate Program
5
Program Terminated Successfully
=====
```