PHASE 1 PROJECT

VIRTUAL KEY REPOSITORIES

GitHub Link

https://github.com/Akm47000/JAVA-FSD-Assisted-Practice-Projects.git

Developer Details

Mulka Akanksh

Sprint Planning

It is planned in 2 sprints

Sprint 1

- Created the overall structure of the application

- Setting GitHub account

Sprint 2

- Developed the full code

- Corrected the errors

- Tested the code

- Push the code into GitHub

Core Java Concepts used

- Class

- File

- Methods

- Conditions

- Loops

- Arrays

- Switch Case

- Exception Handling

Writeup

Step 1: Importing libraries

Step 2: Creating the main method and printing the welcome page and the list of the operations to be performed

Step 3: Use switch statements to perform the below operations

1. Retrieving files in ascending form $\rightarrow$ Printing the stored files in ascending order
2. To perform business level operations $\rightarrow$ Few more operations to be performed

3. Close the application $\rightarrow$ closing the application printing the thank you page

Step 4: When a user enters 2 the below business level operations can be performed using switch statements.

1. Add a file in the existing directory (If user enters a new filename, that file is added into directory)

2. Deleting any file from the directory (when a user enters a filename which is to be deleted, the respective file is deleted and if the user enters invalid filename then the output displayed as "file not found")

3. To search any specified file in the directly (If a user enters a valid filename, the respective file location can be identified and if user enters invalid filename then the output displayed as "file not found")

4. Back to main menu

Step 5: when a user enters the specified number, the respective operations are performed and the output will be displayed.

FLOWCHART

```
Start → Main menu → Switch Case
                 ↓              ↓
            User input ←   Case1 → Printing all files in ascending order
                              ↓
            Case2 → Business level operations → Case1 → Adding new files into directory
              ↓                                   ↓
            Case3 → Closing the application     Case2 → Deleting new files from directory
                         ↓                        ↓
                       Stop                      Case3 → Searching files from directory
                                                  ↓
                                                Case4 → Back to main menu
```