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| **BATCH** | **MS FSD DEC 2021 Cohort 1** |
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| **Project** | **Java FS Phase1 project Lockedme\_Application** |
| **Submission date** | **29/01/2022** |

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| **Source Code** |
| **package** lockedme\_package;  **import** java.io.File;  **import** java.util.LinkedList;  **import** java.util.Scanner;  **class** closeapp{    **public** **static** **void** clearScreen() {  System.***out***.print("You are sucessfully logged out, click here to login again");  System.***out***.flush();  }  }  **public** **class** Lockedme\_app {    **static** **final** String ***filespath*** = "C:\\Users\\raghav\\Desktop\\lockfiles"; //adding the path from where the files are retrieved    **public** **static** **void** main(String[] args) {  /\*Problem statement :  \*  \* Need to develop a application with following features:  \*  \* Display the Menu(Which gives all the below options for user)  \*  \* 1. Retrieving file names in ascending order  \* 2. Option to add a user specific file  \* 3. Option to search a user specific file  \* 4. Delete a user specific file  \* 5. Option to go back to the main Menu(Display's all the options),in other words "BACK" key  \* 6. Option to close the application.  \* \*/    //adding the path from where the files are retrieved      *displayMenu*();  System.***out***.println();  System.***out***.println();  *addfile*();  System.***out***.println();  System.***out***.println();  *deletefile*();  System.***out***.println();  System.***out***.println();  *searchfile*();  System.***out***.println();  System.***out***.println();  *back*();  System.***out***.println();  System.***out***.println();  *close*();        }    //1.Display    **static** **void** displayMenu()  {  System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*Welcome to LockedMe\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Most Secured file Manager\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Please select the below options\*\*\*\*\*\*\*\*\*\*\*\*\*"+"\n\n"    +"1. Retrieving a file names in ascending order" +"\n"  +"2. ADD new file" +"\n"  +"3. Search file" +"\n"  +"4. DELETE file" +"\n"  +"5. BACK" +"\n"  +"6. Close the application"+"\n");  }  //2.ADD  **public** **static** **void** addfile()  {  File folder = **new** File(***filespath***);  File[] files = folder.listFiles(); // used list files method to get/ fetch all the files from the directory.    **for** (**var** a:files)  {  System.***out***.println(a.getName());// using for each loop, instead of standard for loop  }  **if**(files.length==0)  System.***out***.println("No results");  }    //3.SEARCH  **public** **static** **void** searchfile()  {    String searchfile;  Scanner obj = **new** Scanner(System.***in***);  System.***out***.println("please enter the file name to be searched");  searchfile= obj.nextLine();    File folder = **new** File(***filespath***);  File[] files = folder.listFiles();    LinkedList<String> filenames= **new** LinkedList<String>();    **for**(**var** a:files)  filenames.add(a.getName());// please note, if you put a {} bracket for this for loop, it will run it 4 times , as many files it has    **if**(filenames.contains(searchfile)) {  System.***out***.println("This is your file "+ "=====>"+ searchfile);  }  **else**  System.***out***.println("No results");      }  //4.Delete  **public** **static** **void** deletefile() {    String deletefile;  Scanner obj = **new** Scanner(System.***in***);  System.***out***.println("please enter the file name to be deleted");  deletefile= obj.nextLine();    File file= **new** File("C:\\Users\\raghav\\Desktop\\lockfiles"+"\\"+ deletefile);  **if** (file.exists()) {  file.delete();  System.***out***.println("File deleted successfully");  }  **else** {  System.***out***.println("no results");  }  }  //5. BACK  **public** **static** **void** back()  {  String back;  Scanner obj = **new** Scanner(System.***in***);  System.***out***.println("Please type 'back' in lowercase to go to main menu");  back= obj.nextLine();      **if**(back.contains("back")) {  Lockedme\_app L = **new** Lockedme\_app();  L.*displayMenu*();  }  **else**  System.***out***.println("type 'back' in lowercase again");    }        //6.Close  **public** **static** **void** close()  {      String close;  Scanner obj = **new** Scanner(System.***in***);  System.***out***.println("Please type 'close' in lowercase to go to main menu");  close= obj.nextLine();      **if**(close.contains("close")) {  closeapp C=**new** closeapp();  C.*clearScreen*();  }  **else**  System.***out***.println("Please type 'close' in lowercase again");    }      } |

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| Screen shorts |
| Screen shorts1.    Screen shorts 2.    Screen shorts 3.    Screen shorts 4. |