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| **Batch** | **MS FSD DEC 2021 Cohort 1** |
| **Project Title** | **LockedME.com** |
| **Project Submission Date** | **February 13th, 2022** |

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| **Source Code** |
| **package** com.lockedme;  **import** java.io.File;  **import** java.io.FileWriter;  **import** java.util.LinkedList;  **import** java.util.Scanner;  **public** **class** LockedMe  {  **static** **final** String ***projectFilesPath*** = "C:\\LockedMeFiles";  **static** **final** String ***errorMessage*** = "Some error occured. Please contact : admin@lockedme.com";      **public** **static** **void** main(String[] args)  {  **try**  {  Scanner obj = **new** Scanner(System.***in***);  **int** ch;    **do**  {  *displayMenu*();  System.***out***.println("Enter your choice:");  ch=Integer.*parseInt*(obj.nextLine());    **switch**(ch)  {  **case** 1: *getAllFiles*();  **break**;  **case** 2: *createFiles*();  **break**;  **case** 3: *deleteFiles*();  **break**;  **case** 4: *searchFiles*();  **break**;  **case** 5: System.*exit*(0);  **break**;  **default**: System.***out***.println("Invalid option");  **break**;  }  }  **while**(ch>0);  obj.close();  }  **catch**(Exception ex)  {  System.***out***.println(***errorMessage***);  }    }    **public** **static** **void** displayMenu()  {  System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.***out***.println("\t\tWelcome to Lockedme.com");  System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.***out***.println("\t\t1. Display all the files.");  System.***out***.println("\t\t2. Add a new file.");  System.***out***.println("\t\t3. Delete a file.");  System.***out***.println("\t\t4. Search a file.");  System.***out***.println("\t\t5. Exit.");  }    /\*\*  \* This function will return all the files from the project directory  \*/  **public** **static** **void** getAllFiles()  {  **try**  {  File folder = **new** File(***projectFilesPath***);  File[] listOfFiles = folder.listFiles();    **if**(listOfFiles.length==0)  System.***out***.println("No files exist in the directory");  **else**  {  **for**(**var** l:listOfFiles)  {  System.***out***.println(l.getName());  }  }  }  **catch**(Exception ex)  {  System.***out***.println(***errorMessage***);  }  }    /\*\*  \* This method will create files in the directory  \*/  **public** **static** **void** createFiles()  {  **try**  {  Scanner obj = **new** Scanner(System.***in***);    String fileName;    System.***out***.println("Enter file name:");  fileName = obj.nextLine();    **int** linesCount;  System.***out***.println("Enter how many lines in the file:");  linesCount = Integer.*parseInt*(obj.nextLine());    FileWriter myWriter = **new** FileWriter(***projectFilesPath***+ "\\" +fileName);    **for**(**int** i=1;i<=linesCount;i++)  {  System.***out***.println("Enter the file line:");  myWriter.write(obj.nextLine()+ "\n");    }  myWriter.close();  obj.close();    }  **catch**(Exception ex)  {  System.***out***.println(***errorMessage***);  }    }    /\*\*  \* This method will delete file based on provided file name  \*/  **public** **static** **void** deleteFiles()  {    Scanner obj = **new** Scanner(System.***in***);  **try**  {    String fileName;    System.***out***.println("Enter the file name to be deleted:");  fileName = obj.nextLine();    File file = **new** File(***projectFilesPath***+ "\\"+ fileName);    **if**(file.exists())  {  file.delete();  System.***out***.println("File deleted successfully");  }  **else**  System.***out***.println("File does not exist.");    }  **catch**(Exception ex)  {  System.***out***.println(***errorMessage***);  }  **finally**  {  obj.close();  }    }    /\*\*  \* This method will search files from the directory  \*/  **public** **static** **void** searchFiles()  {  Scanner obj = **new** Scanner(System.***in***);  **try**  {    String fileName;    System.***out***.println("Enter the file name to be searched:");  fileName = obj.nextLine();    File folder = **new** File(***projectFilesPath***);  File[] listOfFiles = folder.listFiles();    LinkedList<String> filenames = **new** LinkedList<String>();    **for**(**var** l:listOfFiles)  filenames.add(l.getName());    **if**(filenames.contains(fileName))  System.***out***.println("File is available");  **else**  System.***out***.println("File is not available");  }  **catch**(Exception ex)  {  System.***out***.println(***errorMessage***);  }  **finally**  {  obj.close();  }    }    } |