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| **Full Name** | **RAHUL KUMAR** |
| **Batch** | **11 DEC 2021**  **(INTRODUCTION CLASS)** |
| **Project Title** | **Locked Me** |
| **Project Submission Date** | **1/28/2022** |

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| **Source Code** |
| **package** lockedMeProject;  **import** java.io.File;  **import** java.io.FileWriter;  **import** java.util.LinkedList;  **import** java.util.Scanner;  **public** **class** LockedMe  {  **static** **final** String ***projectFilePath*** = "D:\\Workspace\_30oct\\LockedMeFiles";  **static** **final** String ***errorMessage*** = "Some error occured. Please contact : admin@Lockme.com";    **public** **static** **void** main(String[] args)  {  Scanner obj = **new** Scanner(System.***in***);  **int** ch;  **try**  {  **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);  }  **catch**(NumberFormatException Ex)  {  System.***out***.println("Please only enter digits between 1-5 ");  }  **finally**  {  obj.close();  }    }  **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(***projectFilePath***);  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 the files.  \*/  **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(***projectFilePath*** + "\\" + fileName);    **for**(**int** i=1; i<=linesCount; i++)  {  System.***out***.println("Enter the file line:");  myWriter.write(obj.nextLine()+"\n");  }  System.***out***.println("File created Successfully");  myWriter.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(***projectFilePath*** + "\\" + fileName);    **if**(file.exists())  {  file.delete();  System.***out***.println("File deleted Successfully: "+fileName);  }**else**  System.***out***.println("File do not exist");  }  **catch**(Exception Ex)  {  System.***out***.println(***errorMessage***);  }    }  /\*\*  \* This method will search file from the directory.  \*/  **public** **static** **void** searchFiles()  {  @SuppressWarnings("resource")  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(***projectFilePath***);  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***);  }      }  } |

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| **SCREEN SHOT** |
| **Display All The Files:** |
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| **Add A New File:** |
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| **Delete A File:** |
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| **Search A File:** |
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