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| **Full Name** | Chekka Nagaraju |
| **Batch** | MS FSD DEC 2021 Cohort 1 |
| **Project Name** | Private Lockers |
| **Project Submission Date** | 28-01-2022 |

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| Source Code |
| package lockedMePackage;  import java.io.\*;  import java.util.\*;  public class LockedMeClass  {  static final String lockedMeFilesPath ="D:\\Locked\_Me\_Files";  static final String errorMessage="Error Occurred. Please Contact admin@Lockedme.com";  static Scanner obj = new Scanner(System.in);  public static void main(String[] args)  {  int ch;  do  {  mainMenu();  System.out.println("\n\t Please enter your Choice");  ch=Integer.parseInt(obj.nextLine());    switch(ch)  {  case 1:displayAllFiles();  break;  case 2:createNewFiles();  break;  case 3:deleteFiles();  break;  case 4:searchFiles();  break;  case 5:System.exit(0);  break;  default:System.out.println("\tPlease choose valid option");  }  }      while(ch>0);  obj.close();    }  /\*\*  \* This function will display the Welcome page  \*/    public static void mainMenu()  {  System.out.println("=========================================================");  System.out.println("\t \t Welcome to LockedMe.com \t");  System.out.println("=========================================================");  System.out.println("\t \t Please Choose your Option\t \n");  System.out.println("\t 1. Display All Files from the Directory.");  System.out.println("\t 2. Create new File in the Directory.");  System.out.println("\t 3. Delete a File from the Directory.");  System.out.println("\t 4. Search a File from the Directory.");  System.out.println("\t 5. Exit. \n\n");  System.out.println("\t\t Developed by");  System.out.println("\t\t Chekka Nagaraju.");  System.out.println("\t\tEmail: nagaraju21186@gmail.com \n\n");    }    /\*\*  \* This Method Displays all the Files in the Directory  \*/    public static void displayAllFiles()  {  try  {  File folder= new File(lockedMeFilesPath);  File[] listOfFiles=folder.listFiles();    if(listOfFiles.length==0)  {  System.out.println("\tNo Files Exist in the Directory");  }  else  {  System.out.println("\tThe Below are the files Present : \n ");  for(var l: listOfFiles)  {  System.out.println("\t" + l.getName());  }  }  }  catch(Exception Ex) {  System.out.println(errorMessage);  }  }  public static void createNewFiles()  {  try  {  String fileHeading;  System.out.println("\tPlease enter the file Heading");  fileHeading = obj.nextLine();    File folder= new File(lockedMeFilesPath);  File[] listOfFiles=folder.listFiles();    LinkedList<String> filenames=new LinkedList<String>();    for(var l: listOfFiles)  filenames.add(l.getName());    if(filenames.contains(fileHeading))  {  System.out.println("\tFile already exists. Please give another name");    }  else  {  int linescount;  System.out.println("\tPlease enter the number of lines to be created");  linescount = Integer.parseInt(obj.nextLine());    FileWriter fw= new FileWriter(lockedMeFilesPath+"\\"+fileHeading);  for(int i=1;i<=linescount;i++)  {  System.out.println("\tEnter the Data to be stored in line : "+i);  fw.write(obj.nextLine()+"\n");  }  System.out.println("\t"+fileHeading + " File Created Successfully");  fw.close();    }  }  catch(Exception Ex)  {  System.out.println(errorMessage);  }    }    /\*\*  \* This function Deletes the file as per the user  \*/  public static void deleteFiles()  {    try  {  String fileName;  System.out.println("\n\t Enter the file name to be deleted \n");  fileName=obj.nextLine();    File file= new File(lockedMeFilesPath+"\\"+fileName);  if (file.exists())  {  file.delete();  System.out.println("\tFile is deleted successfully : "+fileName);  }  else  System.out.println("\tFile doesnot exist");  }  catch(Exception Ex)  {  System.out.println(errorMessage);  }    }    /\*\*  \* This Method will search the file and display the contents of it based on user  \*/  public static void searchFiles()  {    try  {  String fileName;  System.out.println("\n\t Enter the file name to be searched ");  fileName=obj.nextLine();    File folder= new File(lockedMeFilesPath);  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("\n\t File is found \n ");  System.out.println("The contents of "+fileName+ " are as follows : \n");    File f= new File(lockedMeFilesPath+"\\"+fileName);  FileReader fr=new FileReader(f);  BufferedReader br= new BufferedReader(fr);  String line=br.readLine();    while(line!=null)  {  System.out.println(line);  line=br.readLine();  }  fr.close();  br.close();  }  else  System.out.println("\n\t File is not found");    }  catch(Exception Ex) {  System.out.println(errorMessage);  }    }    } |

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| **Screen Shots** |
| **Main Menu** |
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| **Display all Files** |
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| **Creating a new file** |
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| **File Already exists** |
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| **Delete file case 1 : File Does not exist** |
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| **Case 2 : File is found and deleted** |
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| **Search a file Case 1 : File is found and displayed** |
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| **Case 2 : File not found** |
|  |
| **Exit** |
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