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| **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** |
|  |
| **Case 2 : File not found** |
|  |
| **Exit** |
|  |
|  |

Options

Search a file

Delete a file

Add a new File

Display All Files

2

3

4

5

1

Main Menu

1. Display All Files
2. Add a new file
3. Delete a file
4. Search a file
5. Exit

Start

All Files are displayed

File Created successfully

File Not found

File Not found

File Already exists

File Deleted Successfully

File exists

File exists

File exists

Enter the file name to be searched

Enter the file name to be deleted

Enter the File name and lines count

File Found Successfully

End