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| **Full Name** | Sunil Kumar Murjani |
| **Batch** | Java Full Stack Developer || December Cohort || 11 Dec 2021 |
| **Project Title** | Phase 1 Final Project: Project LockedMe.com |
| **Project Submission date** | 26 Jan 2022 |

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| **Source Code** |
| package com.lockedme;  import java.io.\*;  import java.util.\*;  public class LockedMe {  static final String projectFilesPath="D:\\SimpliLearn\\LiveSessions\\Phase 1\\2022-01-22\\LockedMeFiles";  static final String errorMessage="Some error occured. Please contact : admin@lockedme.com";  public static void main(String[] args)  { Scanner obj=new Scanner(System.in);  int choice;  do  { displayMenu();  System.out.println("Enter your choice b/w 1 to 5");  try  { choice=Integer.parseInt(obj.nextLine());  switch(choice)  { case 1:getAllFiles();  break;  case 2:createFile();  break;  case 3:deleteFile();  break;  case 4:searchFile();  break;  case 5:System.exit(0);  break;  default:System.out.println("Invalid input");;  break;  }  }  catch(Exception ex)  {System.out.println("enter integer only");  choice=1;  }    }while(choice>0);  obj.close();  }    /\*\*  \* This method displays all the options available in the menu  \*/  public static void displayMenu()  { System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.out.println(" WELCOME TO LOCKEDME.COM");  System.out.println("Created By - Sunil Kumar Murjani");  System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.out.println("\t1. Display all files");  System.out.println("\t2. Create a file");  System.out.println("\t3. Delete a file");  System.out.println("\t4. Search a file");  System.out.println("\t5. Exit");  }  /\*\*  \* This method 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 file exists");  else  for(var l:listOfFiles)  System.out.println(l.getName());  }  catch(Exception ex)  { System.out.println(errorMessage);  }  }  /\*\*  \* This method will create the file based on file name provided by the user  \*/  public static void createFile()  { try  { Scanner obj=new Scanner(System.in);  System.out.println("Enter file name which is to be created");  String fileName=obj.nextLine();  System.out.println("Enter number of lines to be entered");  int linesCount=Integer.parseInt(obj.nextLine());    FileWriter fw=new FileWriter(projectFilesPath+"\\"+fileName);  for(int i=1; i<=linesCount;i++)  { System.out.println("Enter line number : "+i);  fw.write(obj.nextLine()+"\n");  }  System.out.println("File created successfully");  fw.close();  }  catch(Exception ex)  { System.out.println(errorMessage);  }  }  /\*\*  \* This method will delete the file based on file name provided by the user  \*/  public static void deleteFile()  { try  { Scanner obj=new Scanner(System.in);  System.out.println("Enter file name which is to be deleted");  String fileName=obj.nextLine();  File file=new File(projectFilesPath+"\\"+fileName);  if(file.exists())  { file.delete();  System.out.println("File deleted successfully :"+fileName);  }  else  System.out.println("File does not exist");  }  catch(Exception ex)  { System.out.println(errorMessage);  }    }  /\*\*  \* This method will search files from the directory  \*/  public static void searchFile()  { try  { Scanner obj=new Scanner(System.in);  System.out.println("Enter file name which is to be searched");  String fileName=obj.nextLine();  File folder=new File(projectFilesPath);  File[] listOfFiles=folder.listFiles();    List<String> filenames=new ArrayList<>();  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 Shots** |
| **Display Menu** |
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| **Display all files** |
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| **Create a file** |
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| **Delete a file** |
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| **Search a file** |
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