|  |
| --- |
| **Lockedme Project**  **Source Code** |

Version History:

|  |  |
| --- | --- |
| Author | Soni Chauhan |
| Purpose | Source code of the application |
| Date | 09/08/2021 |
| Version | 1.0 |

|  |
| --- |
| Github link: |
| <https://github.com/Soni-Chauhan/Phase1project> |
| MyMain code: |
| **package** lock;  **import** java.util.ArrayList;  **import** java.util.List;  **import** java.util.Scanner;  **public** **class** MyMain  {  //folder path  **static** **final** String ***folderpath***="C:\\Users\\hi\\Desktop\\fsdproject\\LockerFiles";  **public** **static** **void** main(String[] args)  {  **int** proceed=1;    **do**  {  **int** ch;    ch=*displayMenu*();    **switch**(ch)  {  **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 Option");  **break**;  }    }  **while**(proceed>0);  }    //display method to display options  **public** **static** **int** displayMenu()  {  Scanner obj = **new** Scanner(System.***in***);  **int** ch;  System.***out***.println("====================================================");  System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*LockedMe Project\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.***out***.println("====================================================");  System.***out***.println("1. Display all Files");  System.***out***.println("2. Create new File");  System.***out***.println("3. Delete a File");  System.***out***.println("4. Search a File");  System.***out***.println("5. Exit");  System.***out***.println("====================================================");  System.***out***.println("Enter your choice:");  ch=Integer.*parseInt*(obj.nextLine());      **return** ch;      }    //get method() to get all files which are present  **public** **static** **void** getAllFiles()  {  List<String> fileName = MainManager.*getAllFiles*(***folderpath***);    **for**(String f:fileName)  System.***out***.println(f);  }    //method to create files  **public** **static** **void** createFile()  {  Scanner obj = **new** Scanner(System.***in***);  String fileName;  **int** linesCount;  List<String> content = **new** ArrayList<String>();    System.***out***.println("Enter File Name:");  fileName=obj.nextLine();    System.***out***.println("Enter number of lines in file:");  linesCount=Integer.*parseInt*(obj.nextLine());    **for**(**int** i=1;i<=linesCount;i++)  {  System.***out***.println("Enter data "+i+":");  content.add(obj.nextLine());  }    **boolean** isSaved = MainManager.*createFile*(***folderpath***, fileName, content);    **if**(isSaved)  System.***out***.println("File and data saved");  **else**  System.***out***.println("Error occured");    }    //method to delete the file  **public** **static** **void** deleteFile()  {  String fileName;  Scanner obj = **new** Scanner(System.***in***);  System.***out***.println("Enter file name to be deleted:");  fileName=obj.nextLine();    **boolean** isDeleted = MainManager.*deleteFile*(***folderpath***, fileName);    **if**(isDeleted)  System.***out***.println("File is deleted");  **else**  System.***out***.println("File not found or Some issue occured");    }    //method to search file  **public** **static** **void** searchFile()  {  String fileName;  Scanner obj = **new** Scanner(System.***in***);  System.***out***.println("Enter file name to be searched:");  fileName=obj.nextLine();    **boolean** isSearched = MainManager.*searchFile*(***folderpath***, fileName);    **if**(isSearched)  System.***out***.println("File is present");  **else**  System.***out***.println("File not found or Some issue occured");      }    } |

|  |
| --- |
| MainManager code: |
| **package** lock;  **import** java.io.File;  **import** java.io.FileWriter;  **import** java.util.ArrayList;  **import** java.util.List;  **public** **class** MainManager  {  /\*\*  \* This method will return file name  \* **@param** folderpath  \* **@return** list<String>  \*/  **public** **static** List<String> getAllFiles(String folderpath)  {  File fl = **new** File(folderpath);    File[] listofFiles = fl.listFiles();    List<String> fileName = **new** ArrayList<String>();    **for**(File f:listofFiles)  fileName.add(f.getName());    **return** fileName;  }    /\*\*  \* This method will create file and content in it  \* **@param** folderpath  \* **@param** filename  \* **@param** content  \* **@return** boolean  \*/  **public** **static** **boolean** createFile(String folderpath,String filename, List<String> content)  {  **try**  {  File fl = **new** File(folderpath, filename);  FileWriter fw = **new** FileWriter(fl);    **for**(String s:content)  {  fw.write(s+"\n");  }  fw.close();  **return** **true**;    }  **catch**(Exception Ex)  {  **return** **false**;  }  }  /\*\*  \* This method will delete file  \* **@param** folderpath  \* **@param** fileName  \* **@return** boolean  \*/  **public** **static** **boolean** deleteFile(String folderpath, String fileName)  {  File file = **new** File(folderpath+"\\"+fileName);    **try**  {  **if**(file.delete())  **return** **true**;  **else**  **return** **false**;  }  **catch**(Exception Ex)  {  **return** **false**;  }  }    /\*\*  \* This method will search file  \* **@param** folderpath  \* **@param** fileName  \* **@return** boolean  \*/  **public** **static** **boolean** searchFile(String folderpath, String fileName)  {  File file = **new** File(folderpath+"\\"+fileName);    **if**(file.exists())  **return** **true**;  **else**  **return** **false**;  }  } |