**FileDetails**

**package** com.lockedme;

**import** java.io.File;

**import** java.io.FileWriter;

**import** java.util.ArrayList;

**import** java.util.Collections;

**import** java.util.List;

**public** **class** FileDetails {

**static** **boolean** *flag*=**false**;

/\*\*

\* This method will return the names of all the files in the specified folder

\* **@param** folderPath

\* **@return** fileNames

\*/

**public** **static** **void** getAllFiles(String folderPath)

{

// Creating File Object

File file=**new** File(folderPath);

// Getting all the files into File Array

File[] listOfFiles= file.listFiles();

//Declare a list to store file names

List<String> fileNames=**new** ArrayList<String>();

**for** (File f1 : listOfFiles) {

fileNames.add(f1.getName());

}

Collections.*sort*(fileNames, String.***CASE\_INSENSITIVE\_ORDER***);

**for**(String s:fileNames)

System.***out***.println(s);

}

/\*\*

\* This method will create file into the specified folder.

\* **@param** folderpath

\* **@param** fileName

\* **@param** content

\* **@return** boolean

\*/

**public** **static** **void** createFile(String folderpath, String fileName, List<String> content)

{

**try**

{

File file =**new** File(folderpath,fileName);

FileWriter writer=**new** FileWriter(file);

**for**(String s:content)

{

writer.write(s+"\n");

}

writer.close();

*flag*= **true**;

}

**catch**(Exception e)

{

*flag*= **false**;

}

**if**(*flag*)

System.***out***.println("File created successfully");

**else**

System.***out***.println("File not created, some error occured");

}

/\*\*

\* This method will delete the file from folder

\* **@param** folderpath

\* **@param** fileName

\* **@return** boolean

\*/

**public** **static** **void** deleteFile(String folderpath, String fileName)

{

File file =**new** File(folderpath+"\\"+fileName);

**try**

{

**if**(file.delete())

*flag*= **true**;

**else**

*flag*= **false**;

}

**catch**(Exception e)

{

*flag*= **false**;

}

**if**(*flag*)

System.***out***.println("File deleted successfully");

**else**

System.***out***.println("File not deleted, some error occured");

}

/\*\*

\* This method is used to search a file if the file exist in directory

\* **@param** folderpath

\* **@param** fileName

\* **@return** boolean

\*/

**public** **static** **void** searchFile(String folderpath, String fileName)

{

File file =**new** File(folderpath+"\\"+fileName);

**try**

{

**if**(file.exists())

*flag*= **true**;

**else**

*flag*= **false**;

}

**catch**(Exception e)

{

*flag*= **false**;

}

**if**(*flag*)

System.***out***.println("The Searched File "+fileName+" is present");

**else**

System.***out***.println("File not present, some error occured");

}

}

**LockedMeProject**

**package** com.lockedme;

**import** java.util.ArrayList;

**import** java.util.List;

**import** java.util.Scanner;

**public** **class** LockedMeProject {

**static** **final** String ***folderpath***="E:\\Simplilearn Docs\\Phase1Project\\Locker Project File";

**public** **static** **void** main(String[] args) {

// Variable Declaration

Scanner sc=**new** Scanner(System.***in***);

**int** choice;

**int** proceed=1;

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.***out***.println("\t Company Lockers Pvt. Ltd.");

System.***out***.println("\t Project- Locker Project");

System.***out***.println("\t Developed by- Vishwajit Jogalekar");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

**do** {

//Menu

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.***out***.println("1. Display all Files in Ascending Order");

System.***out***.println("2. Add new File to folder");

System.***out***.println("3. Delete file from folder");

System.***out***.println("4. Search file");

System.***out***.println("5. Exit");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.***out***.println("Enter Your Choice");

choice=Integer.*parseInt*(sc.nextLine());

System.***out***.println();

**switch**(choice)

{

**case** 1:

FileDetails.*getAllFiles*(***folderpath***);

**break**;

**case** 2:

*addNewFile*(sc);

**break**;

**case** 3:

*deleteFile*(sc);

**break**;

**case** 4:

*searchFile*(sc);

**break**;

**case** 5:

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.***out***.println("Thank You!! Application is closed");

proceed=0;

**break**;

**default**:

System.***out***.println("Invalid Option is selected");

**break**;

}

}**while**(proceed>0);

}

**public** **static** **void** searchFile(Scanner sc) {

String fileName;

System.***out***.println("Enter file Name");

fileName=sc.nextLine();

FileDetails.*searchFile*(***folderpath***, fileName);

}

**public** **static** **void** deleteFile(Scanner sc) {

String fileName;

System.***out***.println("Enter file Name");

fileName=sc.nextLine();

FileDetails.*deleteFile*(***folderpath***, fileName);

}

**public** **static** **void** addNewFile(Scanner sc) {

String fileName;

**int** linesCount;

List<String> fileContent= **new** ArrayList<String>();

System.***out***.println("Enter file Name");

fileName=sc.nextLine();

// Read number of lines from the user

System.***out***.println("Enter lines in the file");

linesCount=Integer.*parseInt*(sc.nextLine());

// Read lines from user

**for**(**int** i=0;i<linesCount;i++)

{

System.***out***.println("Enter line"+i+":");

fileContent.add(sc.nextLine());

}

FileDetails.*createFile*(***folderpath***, fileName, fileContent);

}

}