**package** myPackage;

**import** java.io.File;

**import** java.io.FileWriter;

**import** java.io.IOException;

**import** java.util.LinkedList;

**import** java.util.Scanner;

**public** **class** LockMe {

**static** **final** String ***errorMessage*** = "Oops!!! Sorry we are facing an issue. Please contact admin: admin@LockedMe.Com";

**static** **final** String ***projectFilesPath*** ="D:\\Phase 1\\Nitisha";

**static** Scanner *obj* = **new** Scanner(System.***in***);

**public** **static** **void** main(String[]args) **throws** IOException

{

**int** ch;

**do**

{

*displayMenu*();

System.***out***.println("Enter your choice");

ch=Integer.*parseInt*(*obj*.next());

**switch**(ch)

{

**case** 1:

*getAllFiles*();

**break**;

**case** 2:*createFiles*();

**break**;

**case** 3: *deleteAllFiles*();

**break**;

**case** 4: *searchFiles*();

**break**;

**case** 5: System.*exit*(0);

**break**;

**default**:System.***out***.println("Invalid option");

}

}

**while**(ch>0);

*obj*.close();

}

**public** **static** **void** displayMenu()

{

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

System.***out***.println("\tWelcome to LockMe.com");

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

System.***out***.println("\t This Site is Built and Designed by Nitisha");

System.***out***.println("\t1. Display all the files");

System.***out***.println("\t2. Add a new 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 directory\*/

**public** **static** **void** getAllFiles()

{

**try** {

File folder = **new** File(***projectFilesPath***);

File[] listOfFiles = folder.listFiles();

**if**(listOfFiles.length==0)

{

System.***out***.println("No Files exist");

}

**else**

{

**for**(**var** l:listOfFiles)

{

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

}

}

}

**catch**(Exception Ex)

{

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

}

}

**public** **static** **void** createFiles() **throws** IOException

{

**try**

{

String fileName;

System.***out***.println("Enter the filename: ");

fileName = *obj*.next();

**int** linesCount;

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

linesCount = Integer.*parseInt*(*obj*.next());

FileWriter myWriter = **new**

FileWriter(***projectFilesPath***+"\\"+fileName);

**for**(**int** i=1;i<=linesCount;i++)

{

System.***out***.println("Enter the file line : ");

myWriter.write(*obj*.next()+"\n");

}

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

myWriter.close();

}

**catch**(Exception ex)

{

System.***out***.println("Some error has occcured");

}

}

/\*This method will delete the file based on the user input if it exists\*/

**public** **static** **void** deleteAllFiles()

{

**try**

{

String fileName;

System.***out***.println("Enter the file name to be deleted");

fileName = *obj*.next();

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

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

{

file.delete();

System.***out***.println("File deleted SuccessFully : "+fileName);

}

**else**

System.***out***.println("File do not exists");

}

**catch**(Exception ex)

{

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

}

**finally**

{

*obj*.close();

}

}

/\*This method will search the files from the directory\*/

**public** **static** **void** searchFiles()

{

**try**

{

String fileName;

System.***out***.println("Enter the file name to be Searched");

fileName = *obj*.next();

File folder = **new** File(***projectFilesPath***);

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("File is available");

**else**

System.***out***.println("File is not available");

}

**catch**(Exception ex)

{

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

} **finally**

{

*obj*.close();

}

}

}