Source Code

1. **LockerMain.java**

**package** lockedme.com;

**import** java.util.Scanner;

**public** **class** Locker {

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

**int** ch=0, choice=0;

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

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

System.***out***.println("Welcome to Lockedme.com \n Developed by:-Prateekgouda Patil");

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

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

**while**(**true**)

{

System.***out***.println("Please enter your choice (1 or 2 or 3) ");

System.***out***.println("1) Retrieving the file names in an ascending order.");

System.***out***.println("2) Business-level Operations.");

System.***out***.println("3) Close The Application.");

**try**{

ch = sc.nextInt();

}

**catch**(Exception e)

{

System.***out***.println("Null Exception occurred");

}

**switch**(ch)

{

**case** 1:

BusinessOperations.*listFiles*();

**break**;

**case** 2:

System.***out***.println("Business-level operations.");

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

System.***out***.println("Please enter your choice:");

System.***out***.println("1) Add a user specified file to the application.");

System.***out***.println("2) Delete a user specified file from the application.");

System.***out***.println("3) Search a user specified file from the application.");

System.***out***.println("4) Return to the main .");

**try**{

choice = sc.nextInt();

}

**catch**(Exception e)

{

System.***out***.println("Null Exception occurred");

}

**switch**(choice)

{

**case** 1:

System.***out***.println("Enter the name(with extension) of a file to be created \n ");

String fileCreate = sc.next();

BusinessOperations.*createFile*(fileCreate);

**break**;

**case** 2:

System.***out***.print("Enter the name of a file to be deleted \n ");

String fileDelete = sc.next();

BusinessOperations.*deleteFile*(fileDelete);

**break**;

**case** 3:

System.***out***.println("Enter the file name you want to search \n");

String fileSearch = sc.next();

BusinessOperations.*searchFile*(fileSearch);

**break**;

**case** 4:

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

**break**;

**default**:

System.***out***.println("\n You have entered the wrong choice, please enter the correct choice\n");

**break**;

}

**break**;

**case** 3:

sc.close();

System.***out***.println("\n Thankyou for using 'LOCKEDME' Application");

System.*exit*(1);

**break**;

**default**:

System.***out***.println("\n You have entered the wrong choice, please enter the correct choice 1 or 2 or 3\n");

**break**;

}

}

}

}

1. Businessoperations.java

**package** LockedMe.com;

**import** java.io.File;

**import** java.io.FileNotFoundException;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.util.ArrayList;

**public** **class** BusinessOperations {

**protected** **static** String[] sort\_sub(String array[], **int** size){

String temp = "";

**for**(**int** i=0; i<size; i++){

**for**(**int** j=1; j<(size-i); j++){

**if**(array[j-1].compareToIgnoreCase(array[j])>0){

temp = array[j-1];

array[j-1]=array[j];

array[j]=temp;

}

}

}

**return** array;

}

**protected** **static** **void** listFiles() {

**int** fileCount = 0;

ArrayList<String> filenames = **new** ArrayList<String>();

File directoryPath = **new** File(System.*getProperty*("user.dir"));

File[] listOfFiles = directoryPath.listFiles();

fileCount = listOfFiles.length;

System.***out***.println("Files in ascending Order: ");

**for** (**int** i = 0; i < fileCount; i++) {

**if** (listOfFiles[i].isFile()) {

filenames.add(listOfFiles[i].getName());

}

}

String[] str = **new** String[filenames.size()];

**for** (**int** i = 0; i < filenames.size(); i++) {

str[i] = filenames.get(i);

}

String[] sorted\_filenames = *sort\_sub*(str, str.length);

**for**(String currentFile: sorted\_filenames) {

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

}

}

**protected** **static** **void** createFile (String fileToBeCreated) {

File file = **new** File( (System.*getProperty*("user.dir") ) + "\\" + fileToBeCreated );

**try** {

**if** (file.createNewFile() ) {

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

}

**else** {

System.***out***.println("File already exists");

}

} **catch** (IOException e) {

e.printStackTrace();

}

}

**protected** **static** **void** deleteFile(String fileToBeDeleted) {

File file = **new** File( (System.*getProperty*("user.dir") ) + "\\" + fileToBeDeleted );

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

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

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

}

} **else** {

System.***out***.println("File name does not exist");

}

}

**protected** **static** **void** searchFile(String fileToBeSearched) {

File file = **new** File( (System.*getProperty*("user.dir") ) + "\\" + fileToBeSearched );

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

System.***out***.println("File found");

} **else** {

System.***out***.println("No result,File name does not exist");

} PrintWriter pw;

**try** {

pw = **new** PrintWriter(fileToBeSearched);

pw.println("saved");

}

**catch** (FileNotFoundException e) {

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

}

}

}