Sourcecode For Application:

Every class mentioned in 1 page & total 9 classes mentioned **7 Pages**:

GITHUB repository link: **https://github.com/Saivinay08/Phase-1-LockedMeProject**

-------------------------------------------------------------------------------------------------------------------------------------- **package** LockerMepackage;

**import** java.io.IOException;

**public** **class** Homepage {

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

// **TODO** Auto-generated method stub

System.***out***.println("Application Name: LockedMe");

System.***out***.println("Developer: Saivinay Koneru \n");

WelcomeOptions wo = **new** WelcomeOptions();

wo.MainContext();

wo.WelcomePageselection();

}

}

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**package** LockerMepackage;

**import** java.io.IOException;

**public** **class** WelcomeOptions **extends** InputCollector {

**public** **void** MainContext() {

System.***out***.println("\nWelcome to Main Context. This Application can perform below 3 operation");

System.***out***.println("1. To show all existing files in ascending order");

System.***out***.println("2. To add/delete/search files");

System.***out***.println("3. To close application \n");

}

**public** **void** WelcomePageselection() **throws** IOException {

System.***out***.print("Please select above any option by entering value:");

integerinputmethod();

**int** value = getintegervalue();

ExitOptions eo = **new** ExitOptions();

**switch** (value) {

**case** 1:

System.***out***.println("ascending order in below array");

AscendingOrder ao = **new** AscendingOrder();

ao.display();

eo.exitoptions();

**break**;

**case** 2:

OperationSelector os = **new** OperationSelector();

os.Operationselect();

**break**;

**case** 3:

System.***out***.print("\nThanks for using Application & Have a nice day");

System.*exit*(0);

**break**;

**default**:

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

MainContext();

WelcomePageselection();

}

}

}

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**package** LockerMepackage;

**import** java.util.Scanner;

**public** **class** InputCollector {

**private** **int** integervalue;

**private** String stringvalue;

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

**public** **void** integerinputmethod() {

**try** {

integervalue = sc.nextInt();

} **catch** (Exception e) {

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

}

}

**public** **void** stringinputmethod() {

**try** {

stringvalue = sc.nextLine();

} **catch** (Exception e) {

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

}

}

**public** **int** getintegervalue() {

**return** integervalue;

}

**public** **void** setintegervalue(**int** i) {

**this**.integervalue = i;

}

**public** String getStringvalue() {

**return** stringvalue;

}

**public** **void** setStringvalue(String stringvalue) {

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

**this**.stringvalue = stringvalue;

}

}

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**package** LockerMepackage;

**import** java.io.IOException;

**public** **class** OperationSelector {

**public** **void** Operationselect() **throws** IOException {

System.***out***.println("\nPlease select any below operations to perform");

System.***out***.println("1. To add");

System.***out***.println("2. To delete");

System.***out***.println("3. To search");

System.***out***.println("4. To go back to Main menu");

InputCollector a = **new** InputCollector();

System.***out***.print("Please select above any option by entering value:");

a.integerinputmethod();

**int** value = a.getintegervalue();

**switch** (value) {

**case** 1:

AddFile ad = **new** AddFile();

ad.addfile();

Operationselect();

**break**;

**case** 2:

DeleteFile df = **new** DeleteFile();

df.delete();

Operationselect();

**break**;

**case** 3:

FileSearch fs = **new** FileSearch();

fs.search();

Operationselect();

**break**;

**case** 4:

WelcomeOptions wo = **new** WelcomeOptions();

wo.MainContext();

wo.WelcomePageselection();

**break**;

**default**:

System.***out***.println("please enter Valid Input");

Operationselect();

}

}

}

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**package LockerMepackage;**

**import java.io.File;**

**import java.io.IOException;**

**public class AddFile extends InputCollector {**

**public void addfile() throws IOException {**

**System.out.print("Please enter File name:");**

**stringinputmethod();**

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

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

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

**} else {**

**System.out.println("File not created");**

**}**

**}**

**}**

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**package** LockerMepackage;

**import** java.io.File;

**public** **class** FileSearch **extends** AddFile {

**public** **void** search() {

System.***out***.print("Please enter File name:");

stringinputmethod();

getStringvalue();

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

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

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

} **else** {

System.***out***.println("file not exist");

}

}

}

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package LockerMepackage;

import java.io.File;

import java.util.Arrays;

public class AscendingOrder extends AddFile {

public void display() {

System.out.println("Listing files in ascending order \n");

// \*root is eclipse root/default directory\*

String root = "E:\\Java\\eclipse\\LockedMe";

File file = new File(root);

File[] files = file.listFiles();

Arrays.sort(files);

for (File eachFile : files)

System.out.println(eachFile.getName());

}

}

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**package** LockerMepackage;

**import** java.io.File;

**public** **class** DeleteFile **extends** AddFile {

**public** **void** delete() {

System.***out***.print("Please enter File name:");

stringinputmethod();

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

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

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

} **else** {

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

}

}

}

**package** LockerMepackage;

**import** java.io.IOException;

**public** **class** ExitOptions **extends** InputCollector {

**public** **void** exitoptions() **throws** IOException {

System.***out***.println("\nThanks for using Application. please select any one below option");

System.***out***.println("1. To go back to main menu");

System.***out***.println("2. To exit application\n");

System.***out***.print("please select any above option by entering a value:");

integerinputmethod();

**int** value = getintegervalue();

**switch** (value) {

**case** 1:

WelcomeOptions wo = **new** WelcomeOptions();

wo.MainContext();

wo.WelcomePageselection();

**break**;

**case** 2:

System.***out***.println("\nThanks for using Application and Have a nice day");

System.*exit*(0);

**break**;

**default**:

System.***out***.println("please enter Valid Input");

exitoptions();

}

}

}