**Phase 1 -Lockme.com Code**

**LockmeComPankaj File Code :**

**package** FinalProjectLockme.com;

**import** java.io.File;

**import** java.io.FileWriter;

**import** java.io.IOException;

**import** java.util.Scanner;

**public** **class** LockmeComPankaj **extends** LockmeOperations

{

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

{

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

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

System.***out***.println("..........Hello Welcome To Lockme.com..........");

System.***out***.println("\tWelcome to Pankaj Masaye Project");

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

//creating some files automatically, so the folder isn't empty at the start

System.***out***.print("System waking up ! \n");

System.***out***.println("Automatically creating some files in the system :");

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

**try** {

*CreateWriteFile*();

} **catch** (IOException e) {

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

}

//while loop for calling methods

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

{

System.***out***.println("Enter 1 For List Of files in the ");

System.***out***.println("Enter 2 For Performing Business Operations");

System.***out***.println("Enter 3 For Exit");

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

**int** ch=sc.nextInt();

**if**(ch==1)

{

**try**

{

*retriveFiles*();

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

}

**catch** (Exception e)

{

e.printStackTrace();

}

}

**else** **if**(ch==2)

{

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

{

System.***out***.println("Enter 1 To Create File");

System.***out***.println("Enter 2 To Delete File");

System.***out***.println("Enter 3 To Search File");

System.***out***.println("Enter 4 To Back");

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

**int** op=sc.nextInt();

**if**(op==1)

{

**try**

{

//calling createfile

*createfile*();

}

**catch** (Exception e)

{

e.printStackTrace();

}

}

**else** **if**(op==2)

{

**try**

{

//calling deletefile

*deletefile*();

}

**catch** (IOException e)

{

e.printStackTrace();

}

}

**else** **if**(op==3)

{

**try**

{

//calling searchfile

*searchfile*();

}

**catch** (IOException e)

{

e.printStackTrace();

}

}

**else** **if**(op==4)

{

**break**;

}

**else**

{

System.***out***.println("Choose Correct Option");

}

}

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

}

**else** **if**(ch==3)

{

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

System.***out***.println("Exiting the system ... ");

System.***out***.println("System in shutdown mode ! ");

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

**break**;

}

**else**

{

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

}

}

sc.close();

}

**static** **void** CreateWriteFile() **throws** IOException{

//create file

File file1=**new** File("D:\\fileHandling\\Testing1.txt");

File file2=**new** File("D:\\fileHandling\\Testing2.txt");

File file3=**new** File("D:\\fileHandling\\Testing3.txt");

//write to file

FileWriter writer1= **new** FileWriter(file1);

writer1.write("First Testing File");

FileWriter writer2= **new** FileWriter(file2);

writer2.write("Second Testing File");

FileWriter writer3= **new** FileWriter(file3);

writer3.write("Third Testing File");

writer1.close();

writer2.close();

writer3.close();

}

}

**LockmeOperations File Code :**

package FinalProjectLockme.com;

import java.io.File;

import java.io.IOException;

import java.nio.file.Files;

import java.nio.file.Path;

import java.nio.file.Paths;

import java.util.Arrays;

import java.util.Collections;

import java.util.List;

import java.util.Scanner;

public class LockmeOperations

{

public static void retriveFiles() throws Exception

{

//printing list of files in the system

File filedir =new File("D:\\fileHandling");

if(filedir.isDirectory())

{

List<String> listFile = Arrays.asList(filedir.list());

System.out.println("List of available files in the system : ");

Collections.sort(listFile);

if(listFile.isEmpty())

{

System.out.println("No Data Available");

}

else

{

for(String s:listFile)

{

System.out.println(s);

}

}

}

else

{

System.out.println("No Data Available");

}

}

public static void createfile() throws Exception

{

//creating new file

Scanner sc = new Scanner(System.in);

System.out.print("Enter file name to create new file: ");

String fileName = sc.nextLine();

fileName = fileName + ".txt";

Path path=Paths.get("D:\\fileHandling\\"+fileName);

try

{

if(Files.exists(path))

{

System.out.println("File Already Exist in the system");

}

else

{

Path p = Files.createFile(path); //creates file at specified location

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

}

}

catch(IOException e)

{

System.out.println("Exception Occurred:");

e.printStackTrace();

}

}

public static void deletefile() throws IOException

{

//deleting file from the system

Scanner sc = new Scanner(System.in);

System.out.print("Enter file name to delete: ");

String fileName = sc.nextLine();

fileName = fileName + ".txt";

fileName.toLowerCase();

Path path=Paths.get("D:\\fileHandling\\"+fileName);

if(Files.deleteIfExists(path))

{

System.out.println("File has been removed from the folder");

}

else

{

System.out.println("Could not find the file in the folder, So could not delete !");

}

}

public static void searchfile() throws IOException

{

//looking for particular file in the system

Scanner sc = new Scanner(System.in);

System.out.print("Enter file name to search: ");

String fileName = sc.nextLine();

fileName = fileName + ".txt";

fileName.toLowerCase();

Path path=Paths.get("D:\\fileHandling\\"+fileName);

if(Files.exists(path))

{

System.out.println("File with same name is present in the folder.");

System.out.println();

}

else

{

System.out.println("Could not find the file, please enter proper name !");

}

}

}