**Simlilearn Assessment**

**Project LockedMe.com**

**Code 1**

package simplilearnFinalProject;

import java.util.Scanner;

import java.io.File;

import java.io.FileWriter;

public class LockedMe

{

static final String projectFilesPath="C:\\Users\\User\\eclipse-workspace\\LockedMe.com\\src\\simplilearnFinalProject";

// Denoting file location

public static void displayMenu()

// Main driver method

{

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

System.out.println(" \t\t WELCOME TO LOCKEDME.COM ");

System.out.println(" This is secure application developed with Java using eclipse Workspace.\n Throught this application you can add files, delete files and search files.");

System.out.println(" \t\t Developed by java developer Ritwik ");

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

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

System.out.println("\t\t1. Display all Files");

System.out.println("\t\t2. Add a new file");

System.out.println("\t\t3. Delete a file");

System.out.println("\t\t4. Exit from the application");

//Display output

}

public static void getAllFiles()

{

File folder =new File(projectFilesPath);

// Creating a file by creating object of File class

File[] listofFiles = folder.listFiles();

// Get all the names of the files present

if(listofFiles.length>0)

//method can be used on it to get its length

{

System.out.println("Files list is display below : \n");

for(var l:listofFiles)

// File available

{

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

}

}

else

{

System.out.println("The folder is empty");

}

}

public static void createFiles()

{

try

// try-catch block to handle exceptions

{

Scanner obj =new Scanner(System.in);

// Scanning input

String fileName;

System.out.println(" Enter the file name");

//

fileName=obj.nextLine();

int linesCount;

System.out.println(" Enter how many lines in the files: ");

linesCount=Integer.parseInt(obj.nextLine());

FileWriter fw = new FileWriter(projectFilesPath+"\\"+fileName);

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

{

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

fw.write(obj.nextLine()+"\n");

}

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

fw.close();

}

catch (Exception e)

// Block of code to handle errors

// when something went wrong

{

System.out.println("Something went wrong please start again");

}

}

public static void deleteFile()

{

Scanner obj =new Scanner(System.in);

// scanner input

String fileName;

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

fileName=obj.nextLine();

File f = new File(projectFilesPath+"\\"+fileName);

if(f.exists())

{

f.delete();

// delete function

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

}

else

{

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

}

}

public static void exitFile() {

System.out.println(" Exiting the program ");

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

System.exit(0);

// Exit program

}}

**Code 2**

**package** simplilearnFinalProject;

**import** java.util.Scanner;

// Import the Scanner class

**public** **class** clientApp

{

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

{

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

// Create a Scanner object

**int** ch;

**do**

{

LockedMe.*displayMenu*();

// Inherited from another class

System.***out***.println(" \t\tEnter your choice");

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

//Read user input

// It cannot take char as a parameter

// Hence will throw an exception

**switch**(ch)

//Implementing switch case

{

**case** 1:LockedMe.*getAllFiles*();

**break**;

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

**break**;

**case** 3:LockedMe.*deleteFile*();

**break**;

**case** 4:LockedMe.*exitFile*();

**break**;

}

}

**while**(ch>0);

obj.next();

//read input till space character

obj.close();

//method of java Scanner class to close the scanner

}

}

**Output Window**

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WELCOME TO LOCKEDME.COM

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Throught this application you can add files, delete files and search files.

Developed by java developer Ritwik

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1. Display all Files

2. Add a new file

3. Delete a file

4. Exit from the application

Enter your choice