package com.LockedMe;

import java.util.Scanner;

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import java.io.File;

import java.io.FileOutputStream;

import java.util.Arrays;

import java.util.Comparator;

import java.util.Scanner;

public class LockedMeApplication {

public static void main(String[] args) {

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

System.err.println(" \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* LockedMe.com \*\*\*\*\*\*\*\*\*\*\*\*\*\* ");

System.err.println("developer details: ");

System.err.println( " S PAPUN KUMAR DAS ");

System.err.println(" Email Id : papunkumardas0@gmail.com ");

System.out.println(" ");

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

// TODO Auto-generated method stub

Scanner in= new Scanner(System.in);

boolean mainLoop=true;

int choice;

while(true) {

//Display the menu

System.out.println();

System.out.println(" \*\*\*\*\*\*\*\*\*\*\*\*\*\* Welcome to the File Management System \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ");

System.out.println("Thank you for using Lockedme....");

System.out.println(" Operation are available: ");

System.out.println(" 1 : Display names of all existing files in The Directory");

System.out.println(" 2 : Display The Menu ");

System.out.println(" 3 : Exit ");

System.out.println();

System.out.println();

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

System.out.print("Please Enter a Number of above which task you want to perfrom: ");

//Get user choice

choice = in.nextInt();

//Display the title of the chosen module

switch (choice)

{

case 1:

ShowallFiles sf=new ShowallFiles();

sf.Show();

break;

case 2:

FileManagement fn=new FileManagement();

fn.Filemenu();

break;

case 3:

System.out.println("Exiting from the Program....");

System.out.println("Thank you for using Lockedme....");

System.out.println("Have a good Day");

System.exit(0);

break;

default:

System.out.println("Incorrect option Choosed! Please enter another Choice Number");

break;

}

}

}

}

class FileManagement {

public static int Filemenu(){

// TODO Auto-generated method stub

Scanner in= new Scanner(System.in);

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

System.out.println(" \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*FILE OPTION MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

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

System.out.println("choose one of them: ");

System.out.println("1. Add a New Files in the current directory");

System.out.println("2. Search a File from current directory");

System.out.println("3. Delete a file from current directory");

System.out.println("4. Back to main Menu");

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

int choice=in.nextInt();

switch(choice) {

case 1:

System.out.println(" Creating file:");

creatingfiles cf= new creatingfiles ();

cf.create();

break;

case 2:

System.out.println(" File Details: ");

Fileinformation fi= new Fileinformation ();

fi.fileinfo();

break;

case 3:

System.out.println(" Delete a File:");

DeleteFile df= new DeleteFile();

df.Delete();

break;

case 4:

Filemenu();

break;

default:

System.out.println("invalid option choosed \n choose once again");

}

return choice;

}

}

//To show Files in a directory

class ShowallFiles {

public void Show() {

int i;

Scanner ch=new Scanner(System.in);

System.out.println("press 1 if you want to search a file in current directory \npress 2 if you want to choose a another directory: ");

int choose=ch.nextInt();

if(choose==1)

{

File folder = new File(".");

if(folder.isDirectory())

{

File[] fileList = folder.listFiles();

//Arrays.sort(fileList);

System.out.println("files present in this directory are :- " );

System.out.println();

// Sort files by name

Arrays.sort(fileList, new Comparator()

{

@Override

public int compare(Object f1, Object f2) {

return ((File) f1).getName().compareTo(((File) f2).getName());

}

});

for(File file:fileList)

{

System.out.println(" "+file.getName());

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

}

}

}

else if(choose==2)

{

Scanner scanner = new Scanner( System.in );

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

String dirPath = scanner.nextLine(); // Takes the directory path as the user input

File folder = new File(dirPath);

if(folder.isDirectory())

{

File[] fileList = folder.listFiles();

//Arrays.sort(fileList);

System.out.println("files present in this directory are :- " );

System.out.println();

// Sort files by name

Arrays.sort(fileList, new Comparator()

{

@Override

public int compare(Object f1, Object f2) {

return ((File) f1).getName().compareTo(((File) f2).getName());

}

});

for(File file:fileList)

{

System.out.println(" "+file.getName());

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

}

}

}

else

{

System.out.println("incorrect option you choosed> \n Thank you");

}

}}

//delete file in current dir

class DeleteFile {

void Delete() {

System.out.print("Enter the file Name (\*extension\*) which you Want to Delete : - ");

System.out.println("");

Scanner input = new Scanner(System.in);

File file = new File(input.nextLine());

if (file.delete()) {

System.out.println();

System.out.println(" Deleted the file: " + file.getName());

} else {

System.out.println(" Failed to delete the file.\n(please Enter correct File name!)");

}

}

}

class Fileinformation {

void fileinfo() {

{

System.out.print("Enter the file name with (\*extension\*): ");

Scanner input = new Scanner(System.in);

File file = new File(input.nextLine());

// input = new Scanner(file);

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

System.err.println("information about " +file+" is: ");

System.out.println();

System.out.println("Path: " + file.getAbsolutePath());

System.out.println("Name: " + file.getName());

}

}

}

//reading file

class ReadFile {

public static void Read() {

{

try {

System.out.print("Enter the file name with (\*extension\*): ");

Scanner input = new Scanner(System.in);

// File file = new File(input.nextLine());

File file = new File(input.nextLine());

//

input = new Scanner(file);

while (input.hasNextLine()) {

String line = input.nextLine();

System.out.println();

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

System.out.println();

System.out.println(line);

}

input.close();

} catch (Exception ex) {

ex.printStackTrace();

}

}

}}

//adding a new file

class creatingfiles {

void create() {

{

String p=setpath();

try {

write(p);

}

catch (Exception e) {

e.printStackTrace();

}

System.out.println("\n File created Successfully");}

}

static String setpath()

{

Scanner read=new Scanner(System.in);

String path;

System.out.println("Enter your File Name with (\*extention\*):");

return read.nextLine();

}

static void write(String path)throws Exception

{

Scanner sc= new Scanner(System.in);

FileOutputStream fos=new FileOutputStream(path);

}

}