package com.lockedme;

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for Simplilearn phase 1

Project\*/

class FileExplorer

{

public static void main(String [] args) throws Exception

{

System.out.println("Hai User!");

System.out.println(" ");

System.out.println("Welcome to the file Manager");

FileMainMenu fmenu = new FileMainMenu();

fmenu.mainMenu();

}

}

package com.lockedme;

import java.util.Scanner;

public class FileMainMenu {

public void mainMenu() throws Exception

{

Scanner sc = new Scanner(System.in);

FileManager files = new FileManager();

System.out.println(" ");

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

do {

System.out.println("Main Menu");

System.out.println(" ");

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

System.out.println("Please select an option");

System.out.println("1. View Files ");

System.out.println("2. File Operations ");

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

System.out.println(" Enter your option ");

int opt = sc.nextInt();

if(opt == 1)

{

files.viewFiles();

}

else if(opt == 2)

{

files.fileOperations();

}

else if(opt == 3)

{

System.out.println("Thank You!! See you Again");

System.exit(0);

}

else

{

System.out.println("Please Enter a valid option");

}

}while(files!= null);

sc.close();

}

}

package com.lockedme;

import java.io.BufferedReader;

import java.io.File;

import java.io.InputStreamReader;

import java.util.Date;

import java.util.Iterator;

import java.util.TreeSet;

public class FileManager

{

public void viewFiles() throws Exception

{

System.out.println("Files in the folder are:");

String dir = "MyFiles";

File filen = new File(dir);

File [] flist = filen.listFiles();

TreeSet<String> flist1=new TreeSet<String>();

for(File file : flist)

{

if(file.isFile())

{

String filename = file.getName();

flist1.add(filename);

}

}

Iterator<String> itr=flist1.iterator();

while(itr.hasNext())

{

System.out.println(itr.next());

}

FileMainMenu fmm1 = new FileMainMenu();

fmm1.mainMenu();

}

public void fileOperations() throws Exception

{

FileManager fman = new FileManager();

BufferedReader br =new BufferedReader(new InputStreamReader(System.in));

System.out.println(" ");

System.out.println("Welcome to File Operations");

System.out.println(" ");

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

do {

System.out.println("Select an Option:");

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

System.out.println("1. Add a file");

System.out.println("2. Search a file");

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

System.out.println("4. Go to Main Menu");

System.out.println("Please Enter an Option: ");

int optn = Integer.parseInt(br.readLine());

try{

switch(optn)

{

case 1:

System.out.println("Enter the path / name of the file you need to add");

String fname = br.readLine();

File fl = new File("MyFiles",fname);

if(fl.createNewFile())

{

System.out.println("File " + fname +" is created successfully");

}

else

{

System.out.println("File "+ fname +" already exists..");

}

break;

case 2:

System.out.println("Please enter the name of the file to search");

String fname1 = br.readLine();

File f2 = new File("MyFiles",fname1);

if(f2.exists())

{

System.out.println("File "+fname1+" exist in the folder");

System.out.println("Last modification was done on: ");

Date fmod = new Date (f2.lastModified());

System.out.println(fmod.toString());

}

else

{

System.out.println("Sorry!! Cannot find a file "+fname1);

}

break;

case 3:

System.out.println("Enter the name of file you would like to delete");

String fname2 = br.readLine();

File f3 = new File("MyFiles",fname2);

if(f3.delete())

{

System.out.println("File "+ fname2 + " deleted scuccesfully");

}

else

{

System.out.println("File "+fname2 + " Couldnot be deleted");

}

break;

case 4:

System.out.println("Going to main menu");

FileMainMenu fmm = new FileMainMenu();

fmm.mainMenu();

break;

default:

System.out.println("Please Enter a valid option");

}

}

catch(Exception e)

{

System.out.println("Exception occured " + e.toString());

}

}while(fman != null);

}

}