package com.java8;

import java.io.File;

import java.io.IOException;

import java.util.ArrayList;

import java.util.Arrays;

import java.util.Collections;

import java.util.List;

import java.util.Scanner;

public class Phase1 {

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

String operation;

String rootPath = "C:\\simplilearn\\";

Scanner sc = new Scanner(System.in);

while (true) {

System.out.println("1.retrive files in ascending order");

System.out.println("2.Business level operation");

System.out.println("2.1 add file");

System.out.println("2.2 delete file");

System.out.println("2.3 search for a file");

System.out.println("2.4 go to main menu");

System.out.println("3.exit from the app");

operation = sc.nextLine();

switch (operation) {

case "1":

File fileDir = new File(rootPath);

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

Collections.sort(listFile);

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

System.out.println("Sorting by filename in ascending order");

for (String s : listFile) {

System.out.println(s);

}

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

break;

case "2.1":

System.out.println("Enter filename");

Scanner sc1 = new Scanner(System.in);

ArrayList<String> al = new ArrayList<>();

String filename = sc1.next();

String finalname = rootPath + filename;

File f = new File(finalname);

boolean b = f.createNewFile();

if (b != true) {

System.out.println("the file not created");

} else {

al.add(filename);

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

}

break;

case "2.2":

Scanner sc2 = new Scanner(System.in);

System.out.println("enter the file name to be deleted");

String filname = sc2.nextLine();

String finalfile = rootPath + "\\" + filname;

System.out.print(finalfile);

File file = new File(finalfile);

file.delete();

System.out.println("file deleted");

break;

case "2.3":

File f1 = new File(rootPath);

Scanner sc3 = new Scanner(System.in);

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

String filsearchname = sc3.next();

File filename1[] = f1.listFiles();

int flag = 0;

for (File ff : filename1) {

if (ff.getName().equals(filsearchname)) {

flag = 1;

break;

} else {

flag = 0;

}

}

if (flag == 1) {

System.out.println("found the file");

} else {

System.out.println("file is not found");

}

break;

case "2.4":

break;

case "3":

System.exit(0);

}

}

}

}