package myproject;

import java.util.\*;

import java.io.File;

import java.io.FilenameFilter;

import java.io.IOException;

import java.nio.file.Files;

import java.nio.file.Paths;

import java.util.Scanner;

import java.lang.ArrayIndexOutOfBoundsException;

public class fileOperations {

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

Scanner s = new Scanner(System.in);

int ch;

do {

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

System.out.println("2.Delete");

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

System.out.println("0.Exit");

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

ch = s.nextInt();

switch(ch) {

case 1:

createFileUsingFileName();

break;

case 2:

deleteFile();

break;

case 3:

searchFileUsingFileName();

break;

}

}while(ch!=0);

}

public static void createFileUsingFileName() throws IOException {

Scanner s = new Scanner(System.in);

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

String fileName = s.nextLine();

File f = new File("M://MY FILES//simplilearn//Project1//"+fileName);

if(f.createNewFile()==true) {

System.out.println("File Created");

}

else {

System.out.println("File Not Created");

}

}

public static void deleteFile() throws IOException{

Scanner s = new Scanner(System.in);

System.out.println("enter the file name that you want to delete:");

String filename = s.nextLine();

String delfile =("M://MY FILES//simplilearn//Project1//"+filename);

Files.delete(Paths.get(delfile));

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

}

public static void searchFileUsingFileName() throws ArrayIndexOutOfBoundsException {

Scanner s = new Scanner(System.in);

System.out.println("Enter the file name you want to search: ");

String filename = s.nextLine();

File f = new File("M://MY FILES//simplilearn//Project1//");

FilenameFilter filter = new FilenameFilter() {

public boolean accept(File f,String name) {

return name.startsWith(filename);

}

};

String[] children = f.list(filter);

if(children==null) {

System.out.println("No directory found!");

}else {

for(int i=0;i<children.length;i++) {

String file=children[i];

System.out.println("Files found : "+file);

}

}

}

}