import java.io.File;

import java.io.IOException;

import java.util.Scanner;

public class WelcomeScreen {

public static void main(String[] args) {

// TODO Auto-generated method stub

String filename;

char ch;

File directory = new File("C://Users//ankit//Desktop//Simplilearn//FileCreation//");

String[] flist = directory.list();

// Take user Option from the below mentioned Menu

Scanner input = new Scanner(System.in);

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

System.out.println("\*\*\*\*\*\*\* Simplilearn Assignment 1 \*\*\*\*\*\*\*\*");

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

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

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

System.out.println("\*\*\*\*\*\*\* Full Stack Developer \*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println();

do {

System.out.println("Select File Option to perform any operation:- \n");

System.out.println("1.File Creation");

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

System.out.println("3.File Delete");

System.out.println("4.Search file");

System.out.println("5.Exit");

int choice = input.nextInt();

switch (choice) {

case 1:

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

filename = input.next();

try {

File file = new File("C://Users//ankit//Desktop//Simplilearn//FileCreation//" + filename + ".txt");

if (file.createNewFile()) {

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

} else {

if (file.exists()) {

System.out.println("File Already Exists");

} else {

System.out.println("File Doesen't exist");

}

// Delete the file code below

boolean b = file.delete();

if (b == true) {

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

} else {

System.out.println("File not Deleted");

}

}

} catch (IOException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

break;

case 2:

listOfFiles();

break;

case 3:

System.out.println("Enter the file name which you want to delete");

filename = input.next();

File directory\_delete = new File("C://Users//ankit//Desktop//Simplilearn//FileCreation//");

String[] flist\_delete = directory\_delete.list();

// String[] flist = directory.list();

int flag\_d = 0;

if (flist\_delete == null) {

System.out.println("There is no file preseent in the directory");

} else {

// Linear search in the array

for (int i = 0; i < flist\_delete.length; i++) {

String delete\_filename = flist\_delete[i];

if (delete\_filename.equalsIgnoreCase(filename)) {

File file = new File(

"C://Users//ankit//Desktop//Simplilearn//FileCreation//" + delete\_filename);

if (file.delete()) {

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

} else {

System.out.println("Failed to delete the file");

}

flag\_d = 1;

}

}

}

if (flag\_d == 0) {

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

}

break;

case 4:

// Create an object of the File class

// Replace the file path with path of the directory

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

filename = input.next();

File directory\_search = new File("C://Users//ankit//Desktop//Simplilearn//FileCreation//");

String[] flist\_search = directory\_search.list();

int flag\_s = 0;

if (flist\_search == null) {

System.out.println("There is no file preseent in the directory");

} else {

// Linear search in the array

for (int i = 0; i < flist\_search.length; i++) {

String search\_filename = flist\_search[i];

if (search\_filename.equalsIgnoreCase(filename)) {

System.out.println(search\_filename + " found");

flag\_s = 1;

}

}

}

if (flag\_s == 0) {

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

}

break;

case 5:

System.out.println("Thank you User");

break;

default:

System.out.println("Your input number is incorrect.Choose correct Number");

break;

}

System.out.println("Do you want to continue Type (y or n) \n");

ch = input.next().charAt(0);

} while (ch == 'Y' || ch == 'y');

}

private static void fileSearch() {

// TODO Auto-generated method stub

}

private static void listOfFiles() {

// TODO Auto-generated method stub

System.out.println("\n List of files and Folder \n");

File folder = new File("C://Users//ankit//Desktop//Simplilearn//FileCreation//");

File[] listOfFiles = folder.listFiles();

for (File file : listOfFiles) {

if (file.isDirectory()) {

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

} else if (file.isFile()) {

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

}

}

}

}