**package** com;

**import** java.util.Scanner;

**import** java.util.Arrays;

**import** java.io.File;

**import** java.io.IOException;

**import** java.text.Collator;

**public** **class** FileProject {

**public** **static** **void** welcomeScreen() {

System.***out***.println("\n\n\t\tWelcome to the java file project");

System.***out***.println("\t\tAuthor : \t\'Pooja Kukreti\' \n\n");

}

**public** **static** **void** fileListing() {

File f = **new** File("C:\\Users\\ThisPc\\poojaworkfolder\\java\\file\_project");

String[] filelist = f.list();

**if** (f.length()>0) {

Arrays.*sort*(filelist, Collator.*getInstance*());

**for**(String name: filelist) {

System.***out***.println(name);

}

}

**else** {

System.***out***.println("The directory is empty") ;

}

}

**public** **static** **void** deleteFile(String fileName) {

**boolean** var1;

var1 = **false**;

File f = **new** File("C:\\Users\\ThisPc\\poojaworkfolder\\java\\file\_project\\"+fileName);

**try** {

**if** (var1 = f.exists()) {

System.***out***.println("The file is present\t"+var1);

}

}

**catch**(Exception e) {

System.***out***.println("File Not Found(FNF) error!!!!");

}

var1 = f.delete();

System.***out***.println("File Deleted?" +var1);

}

**public** **static** **void** addFile(String fileName) {

**boolean** res;

**boolean** var1;

var1= **false**;

File f = **new** File("C:\\Users\\ThisPc\\poojaworkfolder\\java\\file\_project\\" +fileName);

**try** {

res=f.createNewFile();

**if**(res) {

System.***out***.println("File created here\n\n"+f.getCanonicalPath());

}

**else** {

System.***out***.println("File already exists \n"+f.getCanonicalPath());

}

}

**catch** (IOException e) {

System.***out***.println("Error in creating file!!!");

}

**finally** {

System.***out***.println("File addition operation completed");;

}

}

**public** **static** **void** searchFile(String fileName) {

File f = **new** File("C:\\Users\\ThisPc\\poojaworkfolder\\java\\file\_project");

String[] list = f.list();

**for** (String file: list) {

**if** (fileName.equals(file)) {

System.***out***.println("FOUND : File " + fileName + " exists at " + f);

**return**;

}

}

System.***out***.println("File NOT found (FNF)");

}

**public** **static** **void** submenu() {

System.***out***.println("Enter 1 -> To add a file \nPress 2 -> To Delete a file \nPress 3 -> To search a file from the main directory \nPress 4 -> To go to main menu page");

Scanner sc = **new** Scanner(System.***in***);

**int** b = sc.nextInt();

**switch**(b) {

**case** 1 : {

System.***out***.print("Please Enter a File Name To ADD : ");

String fileName = sc.next().trim().toLowerCase();

*addFile*(fileName);

*submenu*();

**break**;

}

**case** 2 :

{

System.***out***.print("Please Enter a File Name To DELETE : ");

String fileName = sc.next().trim();

*deleteFile*(fileName);

*submenu*();

**break**;

}

**case** 3 :

{

System.***out***.print("Please Enter a File Name To SEARCH : ");

String fileName = sc.next().trim();

*searchFile*(fileName);

*submenu*();

**break**;

}

**case** 4 : {

*menu*();

}

**default** : System.***out***.println("please enter from the given choices");

**break**;

}

}

**public** **static** **void** menu() {

System.***out***.println("\tEnter 1 -> To list file in ascending order \n\tEnter 2 -> To do business level operations \n\tEnter 3 -> To close the application");

Scanner sc = **new** Scanner(System.***in***);

**int** a = sc.nextInt();

**switch**(a) {

**case** 1: *fileListing*();

*menu*();

**break**;

**case** 2: *submenu*();

*submenu*();

**break**;

**case** 3: sc.close();

System.*exit*(0);

**break**;

**default**: System.***out***.println("please enter from the given numbers:");

*menu*();

**break**;

}

}

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

*welcomeScreen*();

FileProject myMenuObject = **new** FileProject();

myMenuObject.*menu*();

}

}