Source Code

1. FilesAscendingOrder class

**package** bean;

**import** java.io.File;

**public** **class** FilesAscendingOrder {

**public** **void** ascendingorder(String path) {

File fr=**new** File(path);

String listoffiles[]=fr.list();

**if**(listoffiles.length==0) { //When directory is empty

System.***out***.println("No files present in the directory");

}

// Files are auto arranged in a Ascending order

//So no need to perform any operation or sorting technique.

//Displays list of files in ascending order

**else** {

System.***out***.println("List of files in Directory");

**for**(String str :listoffiles) {

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

}

}

}

}

1. BusinessRequirements class

package com;

import java.io.File;

import java.io.IOException;

import java.util.Scanner;

class AddFile{

public void createfile(String str) {

File ff=new File(str+".txt");

try {

if(ff.createNewFile()) { //create a new files and returns the boolean value

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

}

else{

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

}

} catch (IOException e) {

e.printStackTrace();

}

}

}

class DeleteFile{

public void deletefile(String str) {

File ff=new File(str+".txt");

try {

if(ff.delete()) { //ff.delete perform the deletion of the specified file and returns the boolean value

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

}

else{

System.out.println(" File does not Exists");

}

} catch (Exception e) {

e.printStackTrace();

}

}

}

class SearchFile{

public void searchfile(String str) {

File ff=new File(str+".txt");

try {

if(ff.exists()) {

System.out.println(str+" file exists");

}

else {

System.out.println(str+" file does not exists ");

}

} catch (Exception e) {

e.printStackTrace();

}

}

}

public class BusinessRequirements {

public void operations(String path) {

Scanner sn=new Scanner(System.in);

System.out.println("----- Business level Operations -------------");

while(true) {

//Business operations menu

System.out.println("1. Add a file \n2. Delete a file \n3.Search a file \n4.Return to main menu");

System.out.println("\nEnter your choice : ");

int choice=sn.nextInt();

switch(choice) {

case 1:System.out.println("Enter file name to add : ");

String str=sn.next();

AddFile af=new AddFile();

af.createfile(path+str);

break;

case 2:System.out.println("Enter file name to Delete : ");

String str1=sn.next();

DeleteFile df=new DeleteFile();

df.deletefile(path+str1);

break;

case 3:System.out.println("Enter file name to search : ");

String str2=sn.next();

SearchFile sf=new SearchFile();

sf.searchfile(path+str2);

break;

case 4:

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

return;

default:System.out.println("Wrong option Entered! please enter correct option.");

break;

}

}

}

}

1. App class

**import** java.io.File;

**import** java.util.Scanner;

**import** com.BusinessRequirements;

**import** bean.FilesAscendingOrder;

**public** **class** App {

**public** **static** **void** details() {

System.***out***.println("------------Application Details-------------");

System.***out***.println("Project Name :LockedMe.com");

System.***out***.println("This application is developed by :");

System.***out***.println("ID : 253467");

System.***out***.println("Name : Developer1");

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

}

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

App.*details*();//shows the developer details

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

System.***out***.println("Enter the path or copy the location where to create a directory ");

String path=sn.next();

System.***out***.println("Enter the Directory name where to store files ");

String dir=sn.next();

path=path+"/"+dir;

File f=**new** File(path);

**if**(f.mkdir()) {

System.***out***.println("Directory created");

}

**else** {

System.***out***.println("Directory already exists");

}

**while**(**true**){

// Main menu to perform the operations

System.***out***.println("--------------Main menu --------------------");

System.***out***.println("1. Display in ascending order \n2. Business level operations \n3.Close the Application");

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

**int** choice=sn.nextInt();

**switch**(choice) {

**case** 1 : FilesAscendingOrder as=**new** FilesAscendingOrder();

as.ascendingorder(path);

**break**;

**case** 2 : BusinessRequirements br=**new** BusinessRequirements();

br.operations(path+"/");

**break**;

**case** 3 :System.***out***.println("Thank you");

System.*exit*(0);

**default**: System.***out***.println("Wrong option Entered! please enter correct option.");

**break**;

}

}

}

}