OBJECT ORIENTED PROGRAMMING LAB

Experiment No.: 19

Aim

Write a program to copy one file to another.

Procedure

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```java
import java.io.FileReader;

import java.io.FileWriter;

import java.io.IOException;

import java.io.*;

import java.util.*;

import java.io.File;

public class copy {

public static void main(String[] args) {

Scanner scan=new Scanner(System.in);

System.out.println("Enter the source File Name");

String source=scan.nextLine();

try {

FileReader fr=new FileReader(source);

String str = "";

int i;

System.out.println("Reading from file "+source);

while ((i = fr.read()) != -1) {
```

```
str += (char) i;

}

System.out.println(str);

System.out.println("\n Enter the filename to copy");

String destination=scan.nextLine();

File file=new File(destination);

FileWriter fw = new FileWriter(file);

fw.write(str);

fr.close();

fw.close();

System.out.println("Copied from "+source+" to "+destination+ " Successfully..!");

} catch (Exception e) {


System.out.println("Exception Occured");

}

}

}
```

Output:

```
C:\Windows\System32\cmd.exe
D:\java>javac copy.java

D:\java>java copy
Enter the source File Name
p1.java
Reading from file p1.java
import java.io.File;
import java.io.*;
import java.util.*;
public class p1 {
public static final String RESET = "\033[0m";
public static final String RED = "\033[0;31m";
public static final String TEXT_RESET = "\u001B[0m";
public static final String TEXT_BLACK = "\u001B[30m";
public static final String TEXT_RED = "\u001B[31m";
static void RecursivePrint(File[] arr, int index, int level, String searchfor) {

if (index == arr.length)
return;

for (int i = 0; i < level; i++)
System.out.print("\t");
if (arr[index].getName().toLowerCase().contains(searchfor))
System.out.print(TEXT_RED);
else
System.out.print(RESET);

if (arr[index].isFile())
System.out.println(arr[index].getName());
else if (arr[index].isDirectory()) {
System.out.println("[" + arr[index].getName() + "]");
RecursivePrint(arr[index].listFiles(), 0, level + 1, searchfor);
}
RecursivePrint(arr, ++index, level, searchfor);
}
public static void main(String[] args) {
Scanner scan = new Scanner(System.in);
System.out.println("Enter the directory path");
String maindirpath = scan.nextLine();
System.out.println("Enter the file/directory name to search");
String searchfor = scan.nextLine();
File maindir = new File(maindirpath);
if (maindir.exists() && maindir.isDirectory()) {
File arr[] = maindir.listFiles();
```

```
RecursivePrint(arr, ++index, level, searchfor);
}
public static void main(String[] args) {
Scanner scan = new Scanner(System.in);
System.out.println("Enter the directory path");
String maindirpath = scan.nextLine();
System.out.println("Enter the file/directory name to search");
String searchfor = scan.nextLine();
File maindir = new File(maindirpath);
if (maindir.exists() && maindir.isDirectory()) {
File arr[] = maindir.listFiles();
System.out.println("###############################################");
System.out.println("Files from main directory" + maindir);
System.out.println("###############################################");
RecursivePrint(arr, 0, 0, searchfor.toLowerCase()); // array,index,level,search
}
}
}


 Enter the filename to copy
copyfile.txt
Copied from p1.java to copyfile.txt Successfully..!

D:\java>
```