

课后作业¹

课程名称	Java 应用与开发	开课学期	2018 年秋季学期
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完成情况	(不要填)		

简答题

1. 题目

2. 题目

编程题

1. 题目

Code: .java

```
//package fsops;
```

```
import java.io.BufferedReader;
import java.io.File;
import java.io.IOException;
import java.io.InputStream;
import java.io.InputStreamReader;
import java.text.SimpleDateFormat;
import java.util.Date;

public class Fsops {
    public static void main(String[] args) {
        String cmd = args[0];
        for(int i=1; i<args.length; i++){
            String[] s = args[i].split("\\\\");
            String path = "";
            for(int j=0; j<s.length; j++){
                if(j==s.length-1){
                    path += s[j];
```

¹注意事项（仔细阅读）：电子版提交到系统，无需纸质版（课后开放提交入口，会通过微信通知大家）；作业文件命名格式为“2018-autumn-hw-学号(id)-姓名(name)-完成时间（例如 20180918）.docx”；不能更改作业报告格式和删除格式中的文字，注意实验报告的撰写，注重格式，注意笔误；注意实验报告的命名及撰写也作为考核的一部分。

```

    }
    else{
        path = path + s[j]+"\\\\";
    }
}
File file = new File(path);
if(cmd.equals("mkdir")){
    file.mkdirs();
}else if(cmd.equals("nfile")){
    try {
        file.createNewFile();
    } catch (IOException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }
}else if(cmd.equals("rm")){
    file.delete();
}else if(cmd.equals("ls")){
    String []str = file.list();
    System.out.println("Directory  " + path);
    System.out.println("-----");
    System.out.println("Name          Time   created          Time modified          Type");
    for (String string : str) {
        File f = new File(path + "\\\" +string);
        String flag = "";
        if(f.isFile()){
            flag = "f";
        }else if(f.isDirectory()){
            flag = "d";
        }
        String Certime = getCreateTime(f);
        String Modtime = new SimpleDateFormat("yyyy-MM-dd hh:mm:ss").format(new
Date(f.lastModified()));

        System.out.println(string + "\t" +Certime  + "\t" + Modtime + "\t" + flag);
    }
}
}
if(cmd.equals("help")){
    System.out.println("mkdir  创建目录");
    System.out.println("nfile  新建空文件");
    System.out.println("rm      删除文件或目录");
    System.out.println("mkdir  列表列出目录下所有文件和子目录");
    System.out.println("help   工具帮助");
    System.out.println("self   软件基本信息");
}

```

```

    }else if(cmd.equals("self")){
        System.out.println("name    \"Java 命令行文件操作程序\"");
        System.out.println("version \"fsops 1.0\" ");
        System.out.println("author  陈扬");
        System.out.println("date    \"2018-11-03\"");
    }
}

public static String getCreateTime(File file){
    String filePath = file.getPath();
    String strTime = null;
    try {
        Process p = Runtime.getRuntime().exec("cmd /C dir "
            + filePath
            + "/tc" );
        InputStream is = p.getInputStream();
        BufferedReader br = new BufferedReader(new InputStreamReader(is));
        String line;
        int i = 0;
        while((line = br.readLine()) != null){
            i++;
            if(i == 6){
                strTime = line.substring(0,17);
                break;
            }
        }
    } catch (IOException e) {
        e.printStackTrace();
    }
    return strTime;
}
}

```

2. 题目

结果

```

~ — FinalShell          ~/Desktop/java/Fsops_lib — -bash  +
Fsops.jar
Fsops_lib/
Introduction-to-Java(1).pdf
Java-array-and-string(1).pdf
Java-array-and-string.pdf
Java-language-basic-and-flow-control.pdf
Poke.class
Poke.java
PokeTest.class
PokeTest.java
VectorTraverse.class
VectorTraverse.java
diagsum.class
diagsum.java
java_hw/
jiequ.class
jiequ.java
jishu.class
jishu.java
learncode/
lecturenotes-for-Java-Application-and-Development.pdf
ouc-java-course-master/
ouc-java-course的替身
shiyang/
shiyang2
shiyang2.pdf
shiyang4chenyang17150011001.docx
shiyang4chenyang17150011001.pdf
shiyang5/
简答题.pdf
[macdeMacBook-Pro-4:~ Macbook$ cd Desktop/java/ ]
[macdeMacBook-Pro-4:java Macbook$ ls ]
2018-autumn-shiyang4-17150011001-陈扬-20181021.docx
2018-autumn-shiyang4-17150011001-陈扬-20181021.pdf
Advanced-object-oriented-programming(1).pdf
Advanced-object-oriented-programming.pdf
Fsops.jar
Fsops_lib
Introduction-to-Java(1).pdf
Java-array-and-string(1).pdf
Java-array-and-string.pdf
Java-language-basic-and-flow-control.pdf
Poke.class
Poke.java
PokeTest.class
PokeTest.java
VectorTraverse.class
VectorTraverse.java
diagsum.class
diagsum.java
java_hw
jiequ.class
jiequ.java
jishu.class
jishu.java
learncode
lecturenotes-for-Java-Application-and-Development.pdf
ouc-java-course-master
ouc-java-course的替身
shiyang
shiyang2
shiyang2.pdf
shiyang4chenyang17150011001.docx
shiyang4chenyang17150011001.pdf
shiyang5
简答题.pdf
[macdeMacBook-Pro-4:java Macbook$ java -jar Fsops.jar nfile /Users/Macbo]
ok/Desktop/java/Fsops_lib/test.txt
[macdeMacBook-Pro-4:java Macbook$ cd Fsops_lib/ ]
[macdeMacBook-Pro-4:Fops_lib Macbook$ ls ]
test.txt
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```