

Java-01：简单的入门

之前没接触过Java，今天晚上简单接触了一下= = 可能有不对的地方请指正
鞠躬了捏 ^ ^

这是[我的学习笔记](#) ~给博客加点流量~

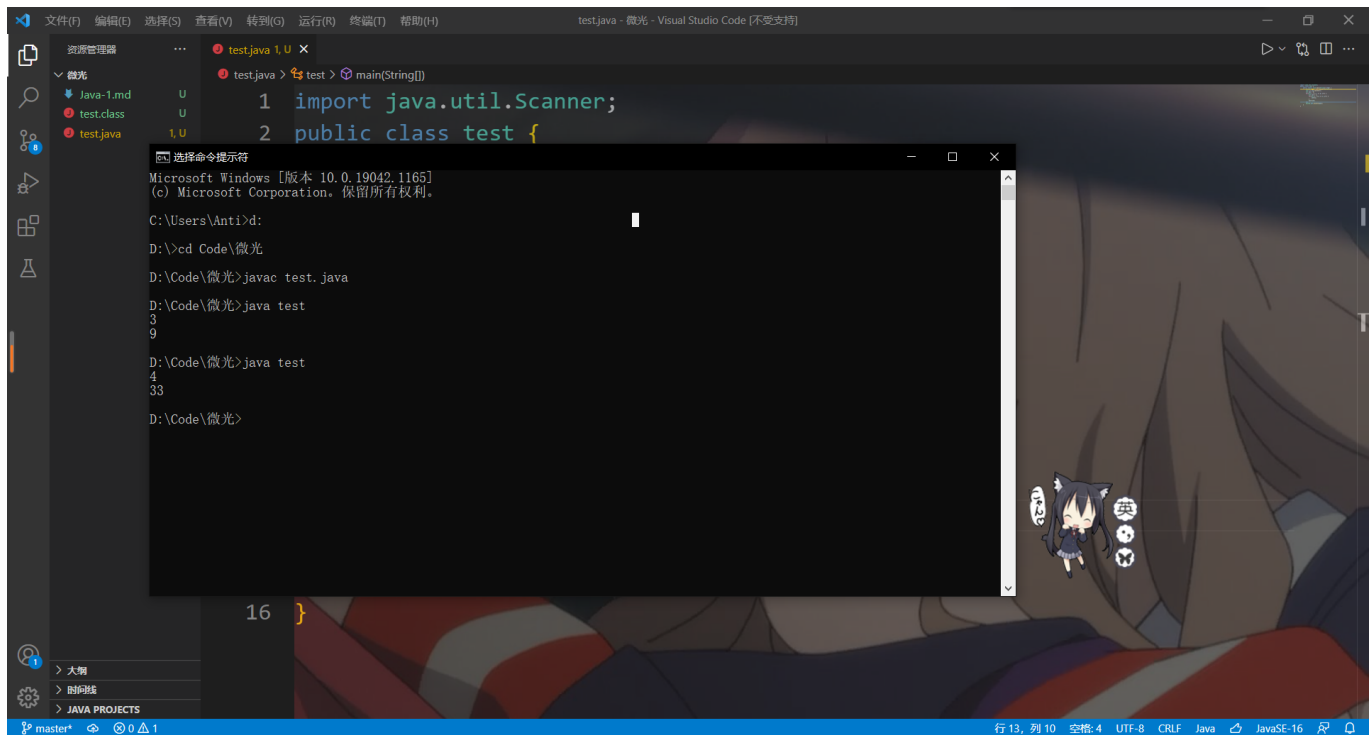
我遇到的一些困难

1. 我发现：比如我创建一个Hello.java,一开始能正常编译。把类的名字改了之后就报错。后来发现大概是类的名字必须和文件名一样？不懂。
2. 我的vscode一开始能正常使用javac和java等指令，后来突然不能用了，显示没有指令。但是cmd里面又是正常的。今天回寝室又突然能用了？太迷了
3. 在某OJ上试着用Java提交了一道题，一开始编译错误。后来试出来必须用Main当做名称

第一题

```
import java.util.Scanner;
public class test {
    public static void main(String[] args) {
        Scanner cin = new Scanner(System.in);
        int a = cin.nextInt();
        int ans = 0;
        for(int i = 1; i <= a; i++) {
            int cnt = 1;
            for(int j = 1; j <= i; j++) {
                cnt*=j;
            }
            ans+=cnt;
        }
        System.out.println(ans);
    }
}
```

CMD截图



做题感想

虽然前面导包和C语言各有不同，但是写到中间主体部分感觉Java和C差不多。就像回到家一样

第二题

我发现的一些问题

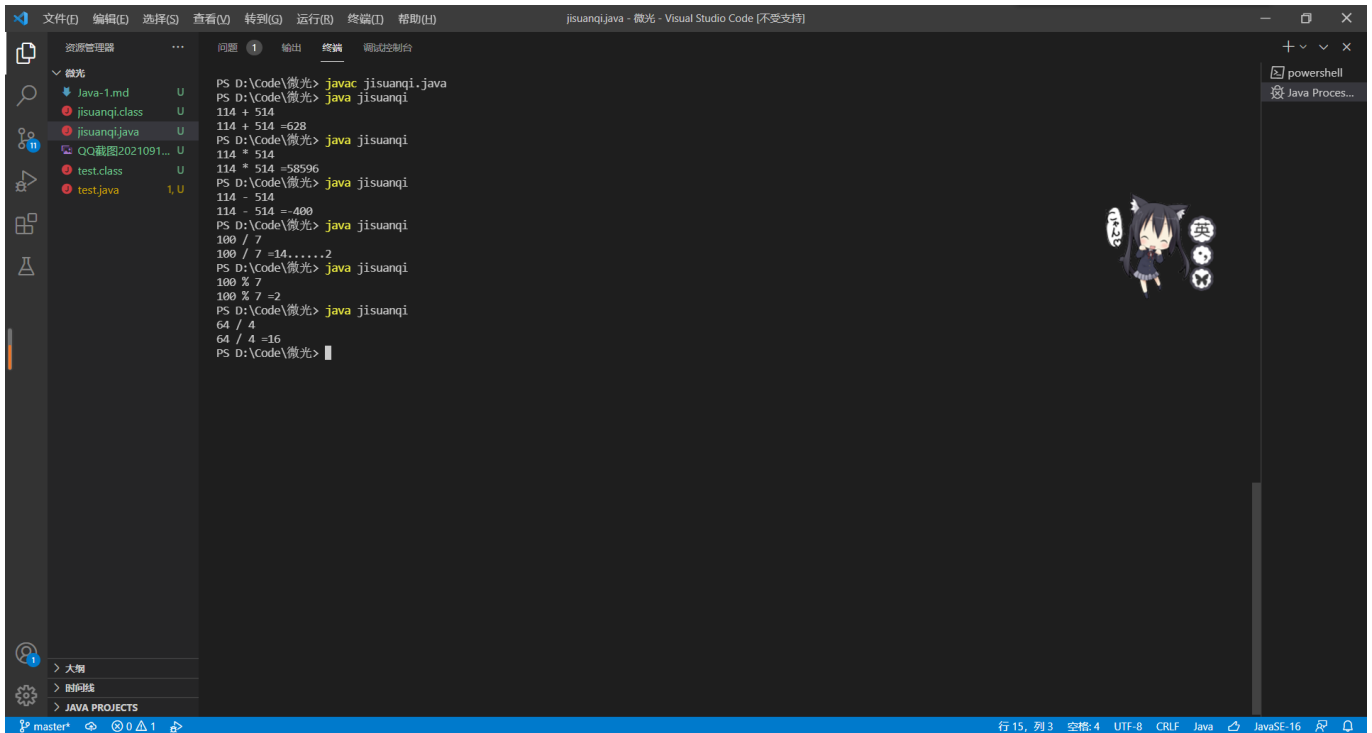
- Java居然没有直接读入char的方法 比如nextChar
- 在输出时，如果a(第一个数字)和c(运算符)之间没有空格，会输出a和c的ascii码之和.....
- Java好像没有%运算
- 如果Scanner不关闭会被警告= =

代码

```
import java.util.*;
public class jisuanqi {
    public static void main(String[] args) {
        Scanner cin = new Scanner(System.in);
        int a = cin.nextInt();
        String s = cin.next();
        char c = (char)s.charAt(0);
        int b = cin.nextInt();
        if(c == '+') {
            System.out.println(a+" "+c+" "+b+" "+"="+ (a+b));
        }
        if(c == '-') System.out.println(a+" "+c+" "+b+" "+"="+ (a-b));
        if(c == '*') System.out.println(a+" "+c+" "+b+" "+"="+ a*b);
        if(c == '/')
            if(a*(a/b)!=a) System.out.println(a+" "+c+" "+b+" "+"="+ a/b+"....."+
            (a-a*(a/b)));
    }
}
```

```
        else System.out.println(a+" "+c+" "+b+" "+"="+a/b);  
        if(c == '%') System.out.println(a+" "+c+" "+b+" "+"="+a-a*(a/b));  
    }  
}
```

运行截图



第三题

困难

- 学习Java的File类和IO流相关知识
- 循环计算，对下一次计算第一个数的处理

我遇到的一些问题

- 创建OutPutStream后导致data文件清零
- 使用fin.close()报错显示无法访问。

运行截图

```
C:\Windows\system32\cmd.exe
D:\Code\微光>java JiSuanqiPro
12 + 123
12 + 123 =135
s
D:\Code\微光>java JiSuanqiPro
12 + 123 =135
12 * 54
12 * 54 =648
514 / 114
514 / 114 =4.....58
514 / 2
514 / 2 =257
s
D:\Code\微光>java JiSuanqiPro
514 / 2 =257
13 - 18
13 - 18 =-5
s
D:\Code\微光>
```

代码

```
import java.util.*;
import java.io.*;

public class JiSuanqiPro {

    public static void main(String[] args) throws IOException {
        File f = new File("D:\\Code\\Java\\Data.txt");
        Scanner cin = new Scanner(System.in);
        FileInputStream fin = new FileInputStream(f);
        int i = fin.read();
        while (i != -1) {
            System.out.print((char) i);
            i = fin.read();
        }
        int a = 0;
        int b = 0;
        char c = 0;
        String s = "";
        String result = "";
        boolean flag = false;
        while (true) {
            if (flag) {
                a = Integer.parseInt(s);
                flag = false;
            } else
                a = cin.nextInt();

            s = "";
            s = cin.next();
            c = (char) s.charAt(0);
```

```

        b = cin.nextInt();

        result = "";
        if (c == '+') {
            System.out.println(a + " " + c + " " + b + " " + "=" + (a + b));
            result = (a + " " + c + " " + b + " " + "=" + (a + b));
        }
        if (c == '-') {
            System.out.println(a + " " + c + " " + b + " " + "=" + (a - b));
            result = (a + " " + c + " " + b + " " + "=" + (a - b));
        }
        if (c == '*') {
            System.out.println(a + " " + c + " " + b + " " + "=" + a * b);
            result = (a + " " + c + " " + b + " " + "=" + (a * b));
        }
        if (c == '/')
            if (b * (a / b) != a) {
                System.out.println(a + " " + c + " " + b + " " + "=" + a / b +
"....." + (a - b * (a / b)));
                result = (a + " " + c + " " + b + " " + "=" + a / b + "....."
+ (a - b * (a / b)));
            } else {
                System.out.println(a + " " + c + " " + b + " " + "=" + a / b);
                result = (a + " " + c + " " + b + " " + "=" + a / b);
            }
        if (c == '%') {
            System.out.println(a + " " + c + " " + b + " " + "=" + (a - b * (a
/ b)));
            result = (a + " " + c + " " + b + " " + "=" + (a - b * (a / b)));
        }
        s = "";
        s = cin.next();

        if (s.charAt(0) == 's') {
            FileWriter fuck = new FileWriter("D:\\Code\\Java\\Data.txt");
            fuck.write(result);
            fuck.close();
            return;
        } else
            flag = true;
    }
}
}

```