Homework 3

- 对String、StringBuilder以及StringBuffer进行源代码分析，
  - 1. 分析其主要数据组织及功能实现，有什么区别？
  - 2. 说明为什么这样设计，这么设计对String, StringBuilder及StringBuffer的影响？
  - 3. String, StringBuilder及StringBuffer分别适合哪些场景？

```
String s1 = "Welcome to Java";

String s2 = new String("Welcome to Java");

String s3 = "Welcome to Java";

System.out.println("s1 == s2 is " + (s1 == s2));
System.out.println("s1 == s3 is " + (s1 == s3));
```

为什么s1==s2 返回false，而s1==s3返回true

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- 可以查看网站代码
- http://grepcode.com/file/repository.grepcode.com/java/root/jdk/openjdk/6-b14/java/lang/StringBuffer.java
- http://grepcode.com/file/repository.grepcode.com/java/root/jdk/openjdk/6-b14/java/lang/String.java

或从JDK中查看源代码

- 作业打包上传到ftp homework/homework3下
- 文件：学号_姓名_homework3.pdf或 homework3.docx

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