

JAVA EXAMPLES - COMPARING PERFORMANCE

http://www.tutorialspoint.com/javaexamples/string_performance.htm

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Problem Description:

How to compare performance of string creation ?

Solution:

Following example compares the performance of two strings created in two different ways.

```
public class StringComparePerformance{
    public static void main(String[] args){
        long startTime = System.currentTimeMillis();
        for(int i=0;i<50000;i++){
            String s1 = "hello";
            String s2 = "hello";
        }
        long endTime = System.currentTimeMillis();
        System.out.println("Time taken for creation"
            + " of String literals : "+ (endTime - startTime)
            + " milli seconds" );
        long startTime1 = System.currentTimeMillis();
        for(int i=0;i<50000;i++){
            String s3 = new String("hello");
            String s4 = new String("hello");
        }
        long endTime1 = System.currentTimeMillis();
        System.out.println("Time taken for creation"
            + " of String objects : " + (endTime1 - startTime1)
            + " milli seconds");
    }
}
```

Result:

The above code sample will produce the following result.The result may vary.

```
Time taken for creation of String literals : 0 milli seconds
Time taken for creation of String objects : 16 milli seconds
```