



链滴

# SpEL 语法

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```

    long long1 = parser.parseExpression("-1L").getValue(long.class);
</p>
<p style="font-size:14px;">
    float float1 = parser.parseExpression("1.1").getValue(Float.class);
</p>
<p style="font-size:14px;">
    double double1 = parser.parseExpression("1.1E+2").getValue(double.class);
</p>
<p style="font-size:14px;">
    int hex1 = parser.parseExpression("0xa").getValue(Integer.class);
</p>
<p style="font-size:14px;">
    long hex2 = parser.parseExpression("0xaL").getValue(long.class);
</p>
</td>
</tr>
<tr>
<td width="72" style="font-size:1em;font-family:verdana, arial, helvetica, sans-serif;">
    <p style="font-size:14px;">
        布尔类型
    </p>
</td>
<td width="468" style="font-size:1em;font-family:verdana, arial, helvetica, sans-serif;">
    <p style="font-size:14px;">
        boolean true1 = parser.parseExpression("true").getValue(boolean.class);
    </p>
<p style="font-size:14px;">
        boolean false1 = parser.parseExpression("false").getValue(boolean.class);
    </p>
</td>
</tr>
<tr>
<td width="72" style="font-size:1em;font-family:verdana, arial, helvetica, sans-serif;">
    <p style="font-size:14px;">
        null类型
    </p>
</td>
<td width="468" style="font-size:1em;font-family:verdana, arial, helvetica, sans-serif;">
    <p style="font-size:14px;">
        Object null1 = parser.parseExpression("null").getValue(Object.class);
    </p>
</td>
</tr>
</tbody>
</table>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
    <strong>&nbsp;&nbsp;&nbsp;</strong>
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
    <strong>二、算数运算表达式: </strong>&nbsp;&nbsp;&nbsp;SpEL支持加(+)、减(-)、乘(*)、除(/)、求余 (

```

)、幂 (^) 运算。

</p>

<table cellspacing="0" cellpadding="0" border="1" style="color:#000000;font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:#FFFFFF;font-size:12px;padding:0px;margin:0px;"

<tbody>

<tr>

<td width="72" style="font-size:1em;font-family:verdana, arial, helvetica, sans-serif;">

<p style="font-size:14px;">

类型

</p>

</td>

<td width="468" style="font-size:1em;font-family:verdana, arial, helvetica, sans-serif,"

<p style="font-size:14px;">

示例

</p>

</td>

</tr>

<tr>

<td width="72" style="font-size:1em;font-family:verdana, arial, helvetica, sans-serif;">

<p style="font-size:14px;">

加减乘除

</p>

</td>

<td width="468" style="font-size:1em;font-family:verdana, arial, helvetica, sans-serif,"

<p style="font-size:14px;">

int result1 = parser.parseExpression("1+2-3\*4/2").getValue(Integer.class);//-3

</p>

</td>

</tr>

<tr>

<td width="72" style="font-size:1em;font-family:verdana, arial, helvetica, sans-serif;">

<p style="font-size:14px;">

求余

</p>

</td>

<td width="468" style="font-size:1em;font-family:verdana, arial, helvetica, sans-serif,"

<p style="font-size:14px;">

int result2 = parser.parseExpression("4%3").getValue(Integer.class);//1

</p>

</td>

</tr>

<tr>

<td width="72" style="font-size:1em;font-family:verdana, arial, helvetica, sans-serif;">

<p style="font-size:14px;">

幂运算

</p>

</td>

<td width="468" style="font-size:1em;font-family:verdana, arial, helvetica, sans-serif,"

<p style="font-size:14px;">



```
Assert.assertEquals(true, result1);
```

```
String expression2 = "2 > 1 and (NOT true or NOT false)";
```

```
boolean result2 = parser.parseExpression(expression2).getValue(boolean.class);
```

```
Assert.assertEquals(true, result2); </pre>
```

```
<br />
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
```

```
  &nbsp;
```

```
</p>
```

```
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
```

注：<strong>逻辑运算符不支持</strong> <strong>&nbsp;Java</strong> <strong>中的 &a

```
</p>
```

```
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
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  &nbsp;
```

```
</p>
```

```
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
```

<strong>五、字符串连接及截取表达式：</strong>使用 “+” 进行字符串连接，使用 “String![0 [index]” 来截取一个字符，目前只支持截取一个，如 “Hello ’ + ’World!” 得到 “Hello World!” 而 “Hello World![0]” 将返回 “H” 。

```
</p>
```

```
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
```

```
  &nbsp;
```

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</p>
```

```
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
```

<strong>六、三目运算及Elvis</strong> <strong>运算表达式：</strong>

```
</p>
```

```
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
```

三目运算符 <strong> “表达式1?</strong> <strong>表达式2:</strong> <strong>表达

```
</p>
```

```
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
```

Elvis运算符 <strong> “表达式</strong> <strong>1?:</strong> <strong>表达式</strong> <strong>2</strong> <strong>” </strong>从Groovy语言引入用于简化三目运算符的，当表达式1为 null时则返回表达式1，当表达式1为null时则返回表达式2，简化了三目运算符方式 “表达式1? 表达式:表达式2”，如 “null?:false” 将返回false，而 “true?:false” 将返回true;

```
</p>
```

















```
margin:18px 0px !important;">
    <div style="padding:0px 0px 0px 45px;margin:0px auto;">
        <div style="padding:3px;margin:0px;font-weight:bold;">
<pre class="prettyprint lang-java">//3.给root对象属性赋值
context.setRootObject(date);
int result4 = parser.parseExpression("Year = 4").getValue(context, int.class);
Assert.assertEquals(4, result4);
parser.parseExpression("Year").setValue(context, 5);
int result5 = parser.parseExpression("Year").getValue(context, int.class);
Assert.assertEquals(5, result5); </pre>
<br />
        </div>
    </div>
</div>
</div>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
    &nbsp; &nbsp; &nbsp; &nbsp; 给对象属性赋值可以采用赋值表达式或Expression接口的setValu
方法赋值，而且也可以采用点缀方式赋值。
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
    &nbsp;
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
    <strong>八、对象方法调用：</strong>对象方法调用更简单，跟Java语法一样；如 "'haha'.sub
tring(2,4)" 将返回 "ha" ；而对于根对象可以直接调用方法；
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
    &nbsp;
</p>
<div style="font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:#FFFFFF;margin:
px auto;padding:0px;border:1px solid #AABBCC;">
    <span style="font-size:medium;font-weight:bold;font-family:&quot;">java代码： </span>
    <div style="font-family:Consolas, &quot;background-color:#E7E5DC;padding:1px 0px 0px
margin:18px 0px !important;">
        <div style="padding:0px 0px 0px 45px;margin:0px auto;">
            <div style="padding:3px;margin:0px;font-weight:bold;">
<pre class="prettyprint lang-java">Date date = new Date();
StandardEvaluationContext context = new StandardEvaluationContext(date);
int result2 = parser.parseExpression("getYear()").getValue(context, int.class);
Assert.assertEquals(date.getYear(), result2); </pre>
<br />
            </div>
        </div>
    </div>
</div>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
    &nbsp;
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-
```





<h3 style="font-size:1.2em;font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:FFFFFF;">

5.3.3 集合相关表达式

</h3>

<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">

<strong>一、内联List</strong><strong>: </strong>从Spring3.0.4开始支持内联List, 使用{达式, .....}定义内联List, 如 "{1,2,3}" 将返回一个整型的ArrayList, 而 "{}" 将返回空的List, 对于面量表达式列表, SpEL会使用java.util.Collections.unmodifiableList方法将列表设置为不可修改。

</p>

<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">

</p>

<div style="font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:#FFFFFF;margin:px auto;padding:0px;border:1px solid #AABBCC;">

<span style="font-size:medium;font-weight:bold;font-family:&quot;">java代码: </span>

<div style="font-family:Consolas, &quot;background-color:#E7E5DC;padding:1px 0px 0px margin:18px 0px !important;">

<div style="padding:0px 0px 0px 45px;margin:0px auto;">

<div style="padding:3px;margin:0px;font-weight:bold;">

```
class="prettyprint lang-java">//将返回不可修改的空List  
List<Integer> result2 = parser.parseExpression("{}").getValue(List.class); </pre>
```

<br />

</div>

</div>

</div>

<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">

</p>

<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">

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<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">

</p>

<div style="font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:#FFFFFF;margin:px auto;padding:0px;border:1px solid #AABBCC;">

<span style="font-size:medium;font-weight:bold;font-family:&quot;">java代码: </span>

<div style="font-family:Consolas, &quot;background-color:#E7E5DC;padding:1px 0px 0px margin:18px 0px !important;">

<div style="padding:0px 0px 0px 45px;margin:0px auto;">

<div style="padding:3px;margin:0px;font-weight:bold;">

```
class="prettyprint lang-java">//对于字面量列表也将返回不可修改的List  
List<Integer> result1 = parser.parseExpression("{1,2,3}").getValue(List.class);  
Assert.assertEquals(new Integer(1), result1.get(0));
```

```
try {
```

```
result1.set(0, 2);
```

```
//不可能执行到这, 对于字面量列表不可修改
```

```
Assert.fail();
```



```

} catch (Exception e) {
} </pre>
<br />
    </div>
</div>
</div>
</div>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
    &nbsp;
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
    &nbsp;
</p>
<div style="font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:#FFFFFF;margin:px auto;padding:0px;border:1px solid #AABBCC;">
    <span style="font-size:medium;font-weight:bold;font-family:&quot;">java代码: </span>
    <div style="font-family:Consolas, &quot;background-color:#E7E5DC;padding:1px 0px 0px margin:18px 0px !important;">
        <div style="padding:0px 0px 0px 45px;margin:0px auto;">
            <div style="padding:3px;margin:0px;font-weight:bold;">
<pre class="prettyprint lang-java">//对于列表中只要有一个不是字面量表达式, 将只返回原始List,
//不会进行不可修改处理
String expression3 = "{{1+2,2+4},{3,4+4}}";
List<List<Integer>&gt;&gt; result3 = parser.parseExpression(expression3).getValue(List.class);
result3.get(0).set(0, 1);
Assert.assertEquals(2, result3.size()); </pre>
<br />
    </div>
</div>
</div>
</div>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
    &nbsp;
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<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
    &nbsp;
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<div style="font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:#FFFFFF;margin:px auto;padding:0px;border:1px solid #AABBCC;">
    <span style="font-size:medium;font-weight:bold;font-family:&quot;">java代码: </span>
    <div style="font-family:Consolas, &quot;background-color:#E7E5DC;padding:1px 0px 0px margin:18px 0px !important;">
        <div style="padding:0px 0px 0px 45px;margin:0px auto;">
            <div style="padding:3px;margin:0px;font-weight:bold;">
<pre class="prettyprint lang-java">//声明一个大小为2的一维数组并初始化
int[] result2 = parser.parseExpression("new int[2]{1,2}").getValue(int[].class); </pre>
<br />
    </div>

```

```

    </div>
  </div>
</div>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
  &nbsp;
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
  &nbsp;
</p>
<div style="font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:#FFFFFF;margin:px auto;padding:0px;border:1px solid #AABBCC;">
  <span style="font-size:medium;font-weight:bold;font-family:&quot;">java代码: </span>
  <div style="font-family:Consolas, &quot;background-color:#E7E5DC;padding:1px 0px 0px margin:18px 0px !important;">
    <div style="padding:0px 0px 0px 45px;margin:0px auto;">
      <div style="padding:3px;margin:0px;font-weight:bold;">
<pre class="prettyprint lang-java">//定义一维数组但不初始化
int[] result1 = parser.parseExpression("new int[1]").getValue(int[].class); </pre>
<br />
    </div>
  </div>
</div>
</div>
</div>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
  &nbsp;
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
  &nbsp;
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
  二、内联数组: 和Java 数组定义类似, 只是在定义时进行多维数组初始化。
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
  &nbsp;
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">
  &nbsp;
</p>
<div style="font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:#FFFFFF;margin:px auto;padding:0px;border:1px solid #AABBCC;">
  <span style="font-size:medium;font-weight:bold;font-family:&quot;">java代码: </span>
  <div style="font-family:Consolas, &quot;background-color:#E7E5DC;padding:1px 0px 0px margin:18px 0px !important;">
    <div style="padding:0px 0px 0px 45px;margin:0px auto;">
      <div style="padding:3px;margin:0px;font-weight:bold;">
<pre class="prettyprint lang-java">//定义多维数组但不初始化
int[][][] result3 = parser.parseExpression("new int[1][2][3]").getValue(int[][][].class); </pre>

```

```

<br />
    </div>
</div>
</div>
</div>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-erif;">
    &nbsp;
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-erif;">
    &nbsp;
</p>
<div style="font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:#FFFFFF;margin:px auto;padding:0px;border:1px solid #AABBCC;">
    <span style="font-size:medium;font-weight:bold;font-family:&quot;">java代码: </span>
    <div style="font-family:Consolas, &quot;background-color:#E7E5DC;padding:1px 0px 0px margin:18px 0px !important;">
        <div style="padding:0px 0px 0px 45px;margin:0px auto;">
            <div style="padding:3px;margin:0px;font-weight:bold;">
<pre class="prettyprint lang-java">//错误的定义多维数组，多维数组不能初始化
String expression4 = "new int[1][2][3]{{1}{2}{3}}";
try {
    int[][][] result4 = parser.parseExpression(expression4).getValue(int[][][].class);
    Assert.fail();
} catch (Exception e) {
} </pre>
<br />
    </div>
</div>
</div>
</div>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-erif;">
    &nbsp;
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-erif;">
    &nbsp;
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-erif;">
    三、集合，字典元素访问：SpEL目前支持所有集合类型和字典类型的元素访问，使用“集合[索引]访问集合元素，使用“map[key]”访问字典元素；
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-erif;">
    &nbsp;
</p>
<div style="font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:#FFFFFF;margin:px auto;padding:0px;border:1px solid #AABBCC;">
    <span style="font-size:medium;font-weight:bold;font-family:&quot;">java代码: </span>
    <div style="font-family:Consolas, &quot;background-color:#E7E5DC;padding:1px 0px 0px margin:18px 0px !important;">

```



```

    <div style="padding:0px 0px 0px 45px;margin:0px auto;" >
      <div style="padding:3px;margin:0px;font-weight:bold;" >
<pre class="prettyprint lang-java" >//SpEL对Map字典元素访问的支持
Map<String, Integer> map = new HashMap<String, Integer>();
map.put("a", 1);
EvaluationContext context3 = new StandardEvaluationContext();
context3.setVariable("map", map);
int result3 = parser.parseExpression("#map['a']").getValue(context3, int.class);
Assert.assertEquals(1, result3); </pre>
<br />
      </div>
    </div>
  </div>
</div>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;" >
  &nbsp;
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;" >
  &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;注: <strong>集合元素访问是通过</strong><strong>Iterator</strong><strong>遍历来定位元素位置的</strong>。
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;" >
  &nbsp;
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;" >
  &nbsp;
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;" >
  <strong>四、列表，字典，数组元素修改: </strong>可以使用赋值表达式或Expression接口的setValue方法修改;
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;" >
  &nbsp;
</p>
<div style="font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:#FFFFFF;margin:px auto;padding:0px;border:1px solid #AABBCB;" >
  <span style="font-size:medium;font-weight:bold;font-family:&quot;" >java代码: </span>
  <div style="font-family:Consolas, &quot;background-color:#E7E5DC;padding:1px 0px 0px margin:18px 0px !important;" >
    <div style="padding:0px 0px 0px 45px;margin:0px auto;" >
      <div style="padding:3px;margin:0px;font-weight:bold;" >
<pre class="prettyprint lang-java" >//1.修改数组元素值
int[] array = new int[] {1, 2};
EvaluationContext context1 = new StandardEvaluationContext();
context1.setVariable("array", array);
int result1 = parser.parseExpression("#array[1] = 3").getValue(context1, int.class);
Assert.assertEquals(3, result1); </pre>
<br />
    </div>
  </div>

```

```

        </div>
    </div>
</div>
</div>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-erif;">
    &nbsp;
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-erif;">
    &nbsp;
</p>
<div style="font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:#FFFFFF;margin:px auto;padding:0px;border:1px solid #AABBCC;">
    <span style="font-size:medium;font-weight:bold;font-family:&quot;">java代码: </span>
    <div style="font-family:Consolas, &quot;background-color:#E7E5DC;padding:1px 0px 0px margin:18px 0px !important;">
        <div style="padding:0px 0px 0px 45px;margin:0px auto;">
            <div style="padding:3px;margin:0px;font-weight:bold;">
<pre class="prettyprint lang-java">//2.修改集合值
Collection<Integer> collection = new ArrayList<Integer>();
collection.add(1);
collection.add(2);
EvaluationContext context2 = new StandardEvaluationContext();
context2.setVariable("collection", collection);
int result2 = parser.parseExpression("#collection[1] = 3").getValue(context2, int.class);
Assert.assertEquals(3, result2);
parser.parseExpression("#collection[1]").setValue(context2, 4);
result2 = parser.parseExpression("#collection[1]").getValue(context2, int.class);
Assert.assertEquals(4, result2); </pre>
<br />
        </div>
    </div>
</div>
</div>
</div>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-erif;">
    &nbsp;
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-erif;">
    &nbsp;
</p>
<div style="font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:#FFFFFF;margin:px auto;padding:0px;border:1px solid #AABBCC;">
    <span style="font-size:medium;font-weight:bold;font-family:&quot;">java代码: </span>
    <div style="font-family:Consolas, &quot;background-color:#E7E5DC;padding:1px 0px 0px margin:18px 0px !important;">
        <div style="padding:0px 0px 0px 45px;margin:0px auto;">
            <div style="padding:3px;margin:0px;font-weight:bold;">
<pre class="prettyprint lang-java">//3.修改map元素值
Map<String, Integer> map = new HashMap<String, Integer>();
map.put("a", 1);
EvaluationContext context3 = new StandardEvaluationContext();

```





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    &nbsp;
</p>
<div style="font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:#FFFFFF;margin:
px auto;padding:0px;border:1px solid #AABBCC;">
  <span style="font-size:medium;font-weight:bold;font-family:&quot;">java代码: </span>
  <div style="font-family:Consolas, &quot;background-color:#E7E5DC;padding:1px 0px 0px
margin:18px 0px !important;">
    <div style="padding:0px 0px 0px 45px;margin:0px auto;">
      <div style="padding:3px;margin:0px;font-weight:bold;">
        <span style="background-color:inherit;font-weight:normal;">
<pre class="prettyprint lang-java">//2.测试集合或数组
EvaluationContext context1 = new StandardEvaluationContext();
context1.setVariable("collection", collection);
Collection<Integer> result1 =
parser.parseExpression("#collection.[#this+1]").getValue(context1, Collection.class);
Assert.assertEquals(2, result1.size());
Assert.assertEquals(new Integer(5), result1.iterator().next()); </pre>
&nbsp; &nbsp; &nbsp; &nbsp; &nbsp;&nbsp;&nbsp;</span>
    </div>
  </div>
</div>
</div>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-
erif;">
  &nbsp;
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-
erif;">
  &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;对于集合或数组使用如上表达式进行投影运算，其中投影表达式
"#this" 代表每个集合或数组元素，可以使用比如 "#this.property" 来获取集合元素的属性，其中
"#this" 可以省略。
</p>
<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-
erif;">
  &nbsp;
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<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-
erif;">
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<div style="font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:#FFFFFF;margin:
px auto;padding:0px;border:1px solid #AABBCC;">
  <span style="font-size:medium;font-weight:bold;font-family:&quot;">java代码: </span>
  <div style="font-family:Consolas, &quot;background-color:#E7E5DC;padding:1px 0px 0px
margin:18px 0px !important;">
    <div style="padding:0px 0px 0px 45px;margin:0px auto;">
      <div style="padding:3px;margin:0px;font-weight:bold;">
<pre class="prettyprint lang-java">//3.测试字典
EvaluationContext context2 = new StandardEvaluationContext();
context2.setVariable("map", map);
List<Integer> result2 =
parser.parseExpression("#map.[ value+1]").getValue(context2, List.class);
Assert.assertEquals(2, result2.size()); </pre>
<br />

```





<p style="font-size:14px;background-color:#FFFFFF;font-family:verdana, arial, helvetica, sans-serif;">  
    &nbsp; &nbsp;  
</p>  
<div style="font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:#FFFFFF;margin:px auto;padding:0px;border:1px solid #AABBCC;">  
    <span style="font-size:medium;font-weight:bold;font-family:&quot;">java代码: </span>  
    <div style="font-family:Consolas, &quot;background-color:#E7E5DC;padding:1px 0px 0px margin:18px 0px !important;">  
        <div style="padding:0px 0px 0px 45px;margin:0px auto;">  
            <div style="padding:3px;margin:0px;font-weight:bold;">  
<pre class="prettyprint lang-java">//2.集合或数组测试  
EvaluationContext context1 = new StandardEvaluationContext();  
context1.setVariable("collection", collection);  
Collection<Integer> result1 =  
parser.parseExpression("#collection.[#this>4]").getValue(context1, Collection.class);  
Assert.assertEquals(1, result1.size());  
Assert.assertEquals(new Integer(5), result1.iterator().next()); </pre>  
<br />  
        </div>  
    </div>  
</div>  
<div style="font-family:Helvetica, Tahoma, Arial, sans-serif;background-color:#FFFFFF;margin:px auto;padding:0px;border:1px solid #AABBCC;">  
    <span style="font-size:medium;font-weight:bold;font-family:&quot;">java代码: </span>  
    <div style="font-family:Consolas, &quot;background-color:#E7E5DC;padding:1px 0px 0px margin:18px 0px !important;">  
        <div style="padding:0px 0px 0px 45px;margin:0px auto;">  
            <div style="padding:3px;margin:0px;font-weight:bold;">  
<pre class="prettyprint lang-java">//3.字典测试  
EvaluationContext context2 = new StandardEvaluationContext();  
context2.setVariable("map", map);  
Map<String, Integer> result2 =  
parser.parseExpression("#map.[#this.key != 'a']").getValue(context2, Map.class);  
Assert.assertEquals(1, result2.size());

