

ES6 PPT1511052: 字符串扩展/模板字符串

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字符串扩展：

1. 支持 UTF-16：UTF16扩展字符占被认为2个字符(character)

```
var s = "吉";
s.length // 2
s.charAt(0) // ''
s.charAt(1) // ''
s.charCodeAt(0) // 55362
s.charCodeAt(1) // 57271
var s2 = '吉a';
s2.charCodeAt(2) // 97
s2.codePointAt(0) // 134071
s2.codePointAt(1) // 57271
s2.codePointAt(2) // 97
String.fromCodePoint(0x20BB7) // "吉"
'abc'.charAt(0) // "a"
'吉'.charAt(0) // "\uD842"
'abc'.at(0) // "a"
'吉'.at(0) // "吉"
```

2. 操作API：includes(), startsWith(), endsWith(), repeat()...

```
var s3 = 'Hello world!';
s3.startsWith('world', 6) // true
s3.endsWith('Hello', 5) // true
s3.includes('Hello', 6) // false
s3.repeat(2) // "Hello world!Hello world!"
s3.repeat(0) // ""
```

模板字符串：

1. 将JS表达式直接写入字符串中：

```
console.log(`1 + 1 = ${1+1}
\`Correct!\` You are right.`);
```

2. 标签模板：

```
var a = 5, b = 10;
function tag(stringArr, value1, value2){
  console.log(stringArr); // ["Hello "," world ","!"]
  console.log(value1); // 5
  console.log(value2); // 15
}
tag`Hello ${ a } world ${ a + b }!`;
```

3. 获取原生字符串生成：String.raw()

```
console.log(String.raw`Hi\n 2 + 3 = ${2+3}`); // "Hi\n 2 + 3 = 5"
```