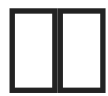
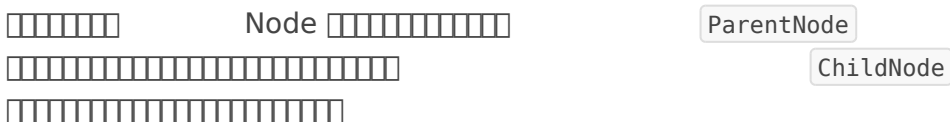


ParentNode

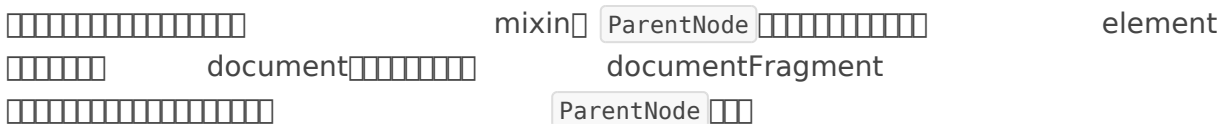
ChildNode



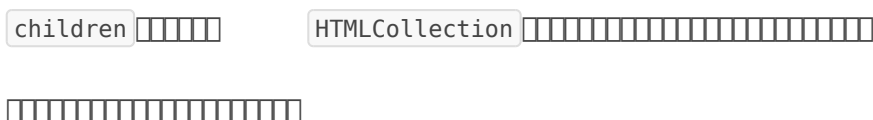
- ParentNode 
 - ParentNode.children
 - ParentNode.firstChild
 - ParentNode.lastElementChild
 - ParentNode.childElementCount
 - ParentNode.append()  ParentNode.prepend()
- ChildNode 
 - ChildNode.remove()
 - ChildNode.before()  ChildNode.after()
 - ChildNode.replaceWith()



ParentNode



ParentNode.children



```
for (var i = 0; i < el.children.length; i++) {  
  // ...  
}
```

children
HTMLCollection length 0
HTMLCollection DOM

ParentNode.firstChild

firstElementChild null

```
document.firstChild.nodeName  
// "HTML"
```

document <HTML>

ParentNode.lastElementChild

lastElementChild null

```
document.lastElementChild.nodeName  
// "HTML"
```

document <HTML> document

ParentNode.childElementCount

childElementCount 0

```
document.body.childElementCount // 13
```

ParentNode.append()

ParentNode.prepend()

1 parentNode.append()

append() 



```
var parent = document.body;

// 创建节点
var p = document.createElement('p');
parent.append(p);

// 添加内容
parent.append('Hello');

// 添加子节点
var p1 = document.createElement('p');
var p2 = document.createElement('p');
parent.append(p1, p2);

// 添加子节点和文本
var p = document.createElement('p');
parent.append('Hello', p);
```

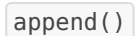


 Node.prototype.appendChild() 

- append()  appendChild() 
- append()  appendChild() 
- append()  appendChild() 

2 parentNode.prepend()

prepend() 

append() 



ChildNode



ChildNode 

ChildNode.remove()

remove() 

```
el.remove()
```

 DOM  el 

ChildNode.before() ChildNode.after()

1 **ChildNode.before()**

before() 



```
var p = document.createElement('p');
var p1 = document.createElement('p');
```

```
// 创建节点
el.before(p);
```

```
// 插入内容
el.before('Hello');
```

```
// 插入两个节点
el.before(p, p1);
```

```
// 插入字符串
el.before(p, 'Hello');
```

2 **ChildNode.after()**

after() 

before



ChildNode.replaceWith()

replaceWith() 

```
var span = document.createElement('span');  
el.replaceWith(span);
```

□□□□□

el □□□□

span □□□□□

□□ #2

□ □□ □□ 2018-03-02 15:25:57 UTC

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