JavaScript Let

- description : JavaScript Let
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ECMAScript 2015

ES2015 let const   JavaScript   .

          JavaScript   _____(Block Scope)   (constant)   .

ES2015   , JavaScript   **(Global Scope)**   **(Function Scope)**
                    .

Global Scope

                    (Globally)   **(Global Scope)**   .

```html
<!DOCTYPE html>
<html>

<body>
    <h2>JavaScript Scope</h2>
    <p>A Global variable can be accessed from any script or function.</p>
    <p id="demo"></p>                       <!-- I can display All New
Rexton -->
    <script>
        var carName = "All New Rexton";
        myFunction();

        function myFunction() {
            document.getElementById("demo").innerHTML = "I can display " +
carName;
        }
    </script>
</body>

</html>
```

          (Global variables)   JavaScript   .

Function Scope

(Locally)   **(Function Scope)**   .

```html
<!DOCTYPE html>
<html>
<body>
    <h2>JavaScript Scope</h2>
    <p>Outside myFunction() carName is <b>undefined</b>.</p>
    <p id="demo1"></p>      // string Volvo
    <p id="demo2"></p>      // undefined
    <script>
        myFunction();
        function myFunction() {
            var carName = "Volvo";
            document.getElementById("demo1").innerHTML = typeof carName + "
" + carName;
        }
        document.getElementById("demo2").innerHTML = typeof carName;
    </script>
</body>
</html>
```

(Local variables)   .

JavaScript Block Scope

var   **(Block Scope)**   .

   {}   .

```
{
  var x = 2;
}
// x CAN be used here
```

ES2015   JavaScript   .

let   .

   {}   .

```
{
  let x = 2;
}
```

```
// x can Not be used here.
```

Redeclaring Variables

var   .

                                                                    :

```
<!DOCTYPE html>
<html lang="en">
<body>

    <h2>Declaring a Variable Using var</h2>
    <p id="demo"></p>
    <script>
        var x = 10;  // Here x is 10
        {
            var x = 2;   // Here x is 2
        }
        document.getElementById("demo").innerHTML = x;   // Here x is 2
    </script>
</body>
</html>
```

let   ,   .

                                                                    .

```
<!DOCTYPE html>
<html lang="en">
<body>
  <h2>Declaring a Variable Using let</h2>
  <p id="demo"></p>
  <script>
    var x = 10;
    {
      let x = 2;
    }
    document.getElementById("demo").innerHTML = x;  // Here x is 10
  </script>
</body>
</html>
```

let   Internet Explorer 11   .

Loop Scope

loop   var   .

```html
<!DOCTYPE html>
<html>
<body>
    <h2>JavaScript var</h2>
    <p id="demo"></p> <!-- Here i is 10 -->
    <script>
        var i = 5;
        for (var i = 0; i < 10; i++) {
            // some statements
        }
        document.getElementById("demo").innerHTML = i;
    </script>
</body>
</html>
```

loop   let   .

```html
<!DOCTYPE html>
<html>
<body>
    <h2>JavaScript let</h2>
    <p id="demo"></p> <!-- Here i is 5 -->
    <script>
        let i = 5;
        for (let i = 0; i < 10; i++) {
            // some statements
        }
        document.getElementById("demo").innerHTML = i;
    </script>
</body>
</html>
```

                 , var   .

                , let

   .

let   i   , i   .

Function Scope

var　　let　　　　　　　　　　　　　　　　　　　　.

(Function Scope)　　　　.

```javascript
function myFunction() {
  var carName = "Volvo";  // Function Scope
```

```javascript
function myFunction() {
  let carName = "Volvo";  // Function Scope
```

Global Scope

var　　let　　　　　　　　　　　　　　　　　　　.

(Global Scope)　　　.

```javascript
var x = 2;   // Global scope
```

```javascript
let x = 2;   // Global scope
```

Global Variables in HTML

JavaScript　　　　　　　　JavaScript　　　　.

HTML　　，　　　　　window　　　　　　　.

var　　　　　　　　　　　window　　　　　　．

```html
<!DOCTYPE html>
<html>
<body>
    <h2>JavaScript Global Variables</h2>
    <p>In HTML, global variables defined with <b>var</b> will become window
variables.</p>
    <p id="demo"></p>   <!-- I can display Carnival -->
    <script>
        var carName = "Carnival";
        // code here can use window.carName
        document.getElementById("demo").innerHTML = "I can display " +
window.carName;
    </script>
</body>
</html>
```

let   window   .

```html
<!DOCTYPE html>
<html lang="en">
<body>
    <h2>JavaScript Global Variables</h2>
    <p>In HTML, global variables defined with <b>let</b> will not become
window variables.</p>
    <p id="demo"></p>    <!-- I can not display undefined -->
    <script>
        let carName = "Tusan";
        // code here can not use window.carName
        document.getElementById("demo").innerHTML = "I can not display " +
window.carName;
    </script>
</body>
</html>
```

,, Javascript, Let