# ES5-ES7

# СТРОКИ

```javascript
a = "text text text text text text ";
b = 'newtext newtext newtext newtext newtext newtext ';
console.log(a + '' + b);
```

```javascript
c = "████████████████████████████████
text
text
text
text";████████████████████████████████
console.log(c);
```

```javascript
n = "text \n text \n text \n text \n";
console.log(n);
```

```javascript
m = `text text
text text text
text text text`;
console.log(m);
```

```
a = 123;
b = 321;
c = `text ${a} text ${b}`;
console.log(c);
```

## ПЕРЕМЕННЫЕ

```
var a = 123;
```

```
a = 123;
```

```html
<script type="text/javascript">
    var a = 5;

    if (true) {
        var a = 10;
        alert(a);
    }

    alert(a);
</script>
```

# let – блок {...}

```html
<script type="text/javascript">
    let b = 5;

    if (true) {
        let b = 10;
        alert(b);
    }

    alert(b);
</script>
```

```
> alert(qwe); let qwe = 123;
```

❌ ▶ Uncaught ReferenceError: qwe is not defined
        at <anonymous>:1:7

```
> alert(dsa); var dsa = 123;
```

‹· undefined

```javascript
for(let n = 0; n<10; n++) { console.log(n); }
for(let n = 0; n<10; n++) { console.log(n); }

alert(n);
```

# CONST

```
const jj = 123;
undefined
jj = 321;
```

▶ Uncaught TypeError: Assignment to constant variable.
    at <anonymous>:1:4

# ДЕСТРУКТУРИЗАЦИЯ

```
[firstName, lastName] = ["123", "321"];

alert(firstName);
alert(lastName);
```

# ЗНАЧЕНИЯ ПО УМОЛЧАНИЮ

```javascript
let [firstName="Гость", lastName="Анонимный"] = [];

alert(firstName);
alert(lastName);
```

# SPREAD

```
[a, b, ...c] = "Hello world text test".split(" ");

alert(a);
alert(b);
alert(c);
```

# SPREAD

```javascript
function showName(firstName, lastName, ...rest) {
  alert(firstName + ' ' + lastName + ' - ' + rest);
}

showName("123", "321", "444", "555");
```

# FUNCTION IN DEFAULT VALUE

```javascript
function defaultVal() {
  return Date.now() + '-date';
}

let [firstName, lastName=defaultVal()] = ["test"];

alert(firstName);
alert(lastName);
```

# FUNCTIONS

```javascript
var old_add = function(a, b) {
  return a + b;
};
console.log(old_add(1,2));

var new_add = (a, b) => a + b;
console.log(new_add(3,4));
```

# Итерации

```javascript
let arr = [1, 2, 3];
for (let value of arr) {
  alert(value);
}

for (let char of "Привет") {
  alert(char);
}
```