OBJECTS AND SPECIAL METHODS

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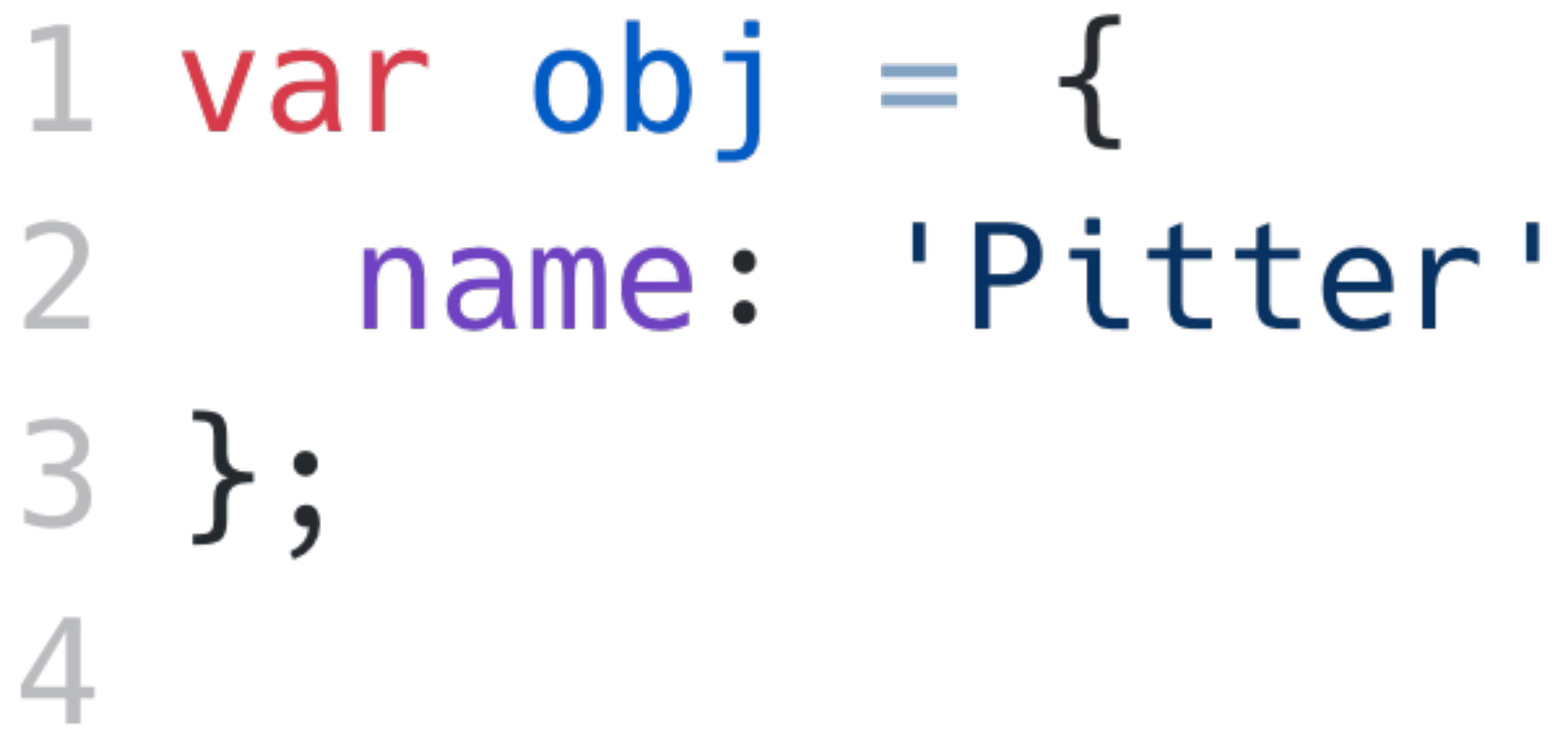
📖 CREATE OBJECT

```
var obj = {};

```

📖 CREATE OBJECT

```
var obj = new Object();

```

📖 CREATE PROPERTY



```javascript
var obj = {
  name: 'Pitter'
};

```

📖 PROPERTY MUTATION

```
var obj = {
  name: 'Pitter'
};

obj.name = 'Oliver';

```

📖 CREATE METHOD

```
var obj = {
  method: function() {
    console.log('Hello!');
  }
};
```

📖 CREATE METHOD

```javascript
var obj = {};

obj.method = function() {
  console.log('Hello!');
};
```

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📖 CREATE METHOD

```
var obj = {
  method() {
    console.log('Hello!');
  }
};

```

📖 INVOKE METHOD

```
obj.method();
```

📖 THIS

```javascript
var person = {
  name: 'Pitter',
  print: function() {
    console.log(this.name);
  }
}

person.print();
```

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📖 CONTEXT

```javascript
var user = { name: 'USER' };
var admin = { name: 'ADMIN' };

function print() {
  console.log( this.name );
}

user.method = print;
admin.method = print;

user.method();
admin.method();
```

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📖 CONVERTING TO STRING

```
var person = {
  name: 'Pitter'
};

console.log(person); // [object Object]
```

📖 CONVERTING TO STRING

```
var person = {
  name: 'Pitter',
  toString() {
    return this.name;
  }
};

console.log(`${person}`);

```

📖 CONVERTING TO NUMBER

```javascript
var wallet = {
  count: 99
};

console.log(wallet - 1); // NaN
```

📖 CONVERTING TO NUMBER

```javascript
var wallet = {
  count: 99,
  valueOf: function() {
    return this.count;
  }
};

console.log(wallet - 1); // 98
```

📖 DESCRIPTOR SYNTAX

```
Object.defineProperty(obj, prop, descriptor);
```

📖 DESCRIPTOR

- ⚙️ value
- ⚙️ writable
- ⚙️ configurable
- ⚙️ enumerable
- ⚙️ get
- ⚙️ set

📖 PAY ATTENTION

⚠️ It is forbidden to simultaneously specify the value and the functions get / set

⚠️ It is forbidden to specify writable together with get / set functions

📖 VALUE

```javascript
var user = {};

Object.defineProperty(user, 'name', {
  value: 'Pitter'
});

console.log(user.name); // Pitter
```

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📖 CONST-PROPERTY

```javascript
'use strict';

var user = {};

Object.defineProperty(user, 'name', {
  value: 'Pitter',
  writable: false,
  configurable: false
});
```

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📖 ENUMERABLE

```
var user = {
  name: 'Pitter',
  toString: function() { return this.name; }
};

Object.defineProperty(user, 'toString', {
  enumerable: false
});

for(var key in user) {
  console.log(key);
} // name
```

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📖 GET

```javascript
var user = {
  firstName: 'Pitter',
  lastName: 'Cook',
  get name() {
    return this.firstName + ' ' + this.lastName;
  }
};

console.log(user.name);
```

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📖 SET

```
var user = {
  firstName: '',
  surname: '',

  get fullName() {
    return this.firstName + ' ' + this.surname;
  },

  set fullName(value) {
    var split = value.split(' ');
    this.firstName = split[0];
    this.surname = split[1];
  }
};

user.fullName = 'Alex Lion';
console.log( user.firstName );
console.log( user.surname );
```

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HERE GOES!

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