

JavaScript Syntax Cheatsheet

1. Variables

```
var variableName = value;  
let anotherVariable = value;  
const constantVariable = value;
```

2. Data Types

```
let number = 10;  
let string = 'Hello, World!';  
let boolean = true;  
let array = [1, 2, 3];  
let object = { key: 'value' };
```

3. Operators

```
let sum = a + b;  
let difference = a - b;  
let product = a * b;  
let quotient = a / b;  
let remainder = a % b;
```

4. Conditional Statements

```
if (condition) {  
    // code to be executed if condition is true  
} else {  
    // code to be executed if condition is false  
}
```

5. Loops

```
for (let i = 0; i < 5; i++) {  
  // code to be repeated  
}  
  
while (condition) {  
  // code to be repeated as long as condition is true  
}
```

6. Functions

```
function functionName(parameter1, parameter2) {  
    // code to be executed  
    return result;  
}  
  
// Arrow function  
const arrowFunction = (parameter) => {  
    // code to be executed  
    return result;  
};
```

7. Objects and Methods

```
let car = {  
  brand: 'Toyota',  
  model: 'Camry',  
  start: function() {  
    // code to start the car  
  }  
};
```

8. Arrays and Methods

```
let fruits = ['apple', 'banana', 'orange'];  
  
fruits.push('grape'); // adds an element to the end of the array  
fruits.pop(); // removes the last element of the array
```


9. DOM Manipulation (Browser)

```
document.getElementById('elementId').innerHTML = 'New content';  
document.querySelector('.className').style.color = 'red';
```

10. Events

```
document.getElementById('myButton').addEventListener('click', function() {  
    // code to be executed when the button is clicked  
});
```