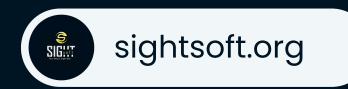




SightSoft Solutions Presents...

# Complete JAVASCRIPT CHEATSHEET

**#**JavaScript Functions | Part 3





### FUNCTIONS

```
// Defining the function:
function sum(num1, num2) {
  return num1 + num2;
}

// Calling the function:
sum(3, 6); // 9
```

## ANONYMOUS FUNCTIONS

#### Anonymous Functions

```
// Named function
function rocketToMars() {
  return 'BOOM!';
}

// Anonymous function
const rocketToMars = function() {
  return 'BOOM!';
}
```

### ARROW FUNCTIONS (ES6)

Arrow Functions (ES6)

#### With two arguments

```
const sum = (param1, param2) => {
  return param1 + param2;
};
console.log(sum(2,5)); // => 7
```

#### With no arguments

```
const printHello = () => {
  console.log('hello');
};
printHello(); // => hello
```

#### With a single argument

```
const checkWeight = weight => {
  console.log(`Weight : ${weight}`);
};
checkWeight(25); // => Weight : 25
```

#### Concise arrow functions

```
const multiply = (a, b) => a * b;
// => 60
console.log(multiply(2, 30));
```

Arrow function available starting ES2015

## RETURN KEYWORD

return Keyword

```
// With return
function sum(num1, num2) {
   return num1 + num2;
}

// The function doesn't output the sum
function sum(num1, num2) {
   num1 + num2;
}
```

## CALLING FUNCTIONS

```
// Defining the function
function sum(num1, num2) {
   return num1 + num2;
}

// Calling the function
sum(2, 4); // 6
```

## FUNCTION EXPRESSIONS

```
Function Expressions
```

```
const dog = function() {
  return 'Woof!';
}
```

## FUNCTION DECLARATION

```
Function Declaration
```

```
function add(num1, num2) {
  return num1 + num2;
}
```