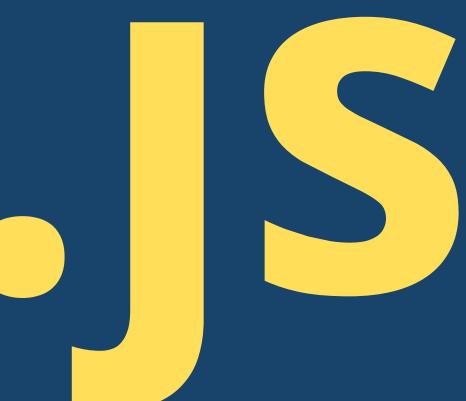


Types of Functions in Javascript

Don't miss it 🗲







1. Named Functions:

These are functions declared with a specified name.
 They can be called anywhere in your code, even before the declaration.

```
function greet(name) {
    return "Hello, " + name + "!";
}

console.log(greet("Zeeshan"));
// Output: Hello, Zeeshan!
```





2. Anonymous Functions:

• These are functions without a name. They are often used as arguments to other functions or assigned to variables.

```
var greet = function(name) {
   return "Hello, " + name + "!";
};

console.log(greet("Zeeshan"));
// Output: Hello, Zeeshan!
```





3. Arrow Functions (ES6+):

• A concise way to write functions in JavaScript, especially useful for inline and short functions. They also provide lexical scoping of this.

```
var greet = (name) => {
   return "Hello, " + name + "!";
};

console.log(greet("Zeeshan Ali"));
// Output: Hello, Zeeshan Ali!
```





4. Constructor Functions:

- Functions used to **create objects**.
- They are typically invoked with the **new keyword**.

```
function Person(name) {
   this.name = name;
}

var person = new Person("Zeeshan");
console.log(person.name);
// Output: Zeeshan
```





5. Generator Functions (ES6+):

- Functions that can be paused and resumed.
- They are declared using an asterisk (*) after the function keyword.

```
function* generatorFunction() {
    yield 'a';
    yield 'b';
    yield 'c';
}

var gen = generatorFunction();
console.log(gen.next().value); // Output: a
    console.log(gen.next().value); // Output: b
```





6. Higher-Order Functions:

 Functions that take other functions as arguments or return functions.

```
function greet(name) {
    return "Hello, " + name + "!";
}

function sayHello(callback) {
    console.log(callback("Buddy"));
}

sayHello(greet);
// Output: Hello, Buddy!
```





7. Immediately Invoked Function Expressions (IIFE):

• Functions that are **executed immediately** after they are defined.

```
(function() {
  var message = "This is an IIFE";
  console.log(message);
})();
// Output: This is an IIFE
```





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