

# hoisting

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In JavaScript, the term "hosting" refers to the way the JavaScript interpreter handles the declaration and initialization of variables and functions in a script. JavaScript has a concept called "hoisting,"

which means that variable and function declarations are moved to the top of their containing scope during the compilation phase, before the code is executed.

## Variable Hoisting:

- When you declare a variable using the `var` keyword, the declaration is hoisted to the top of its scope. However, the initialization (assignment of a value) remains in its original position.
- For example:

```
console.log(x); // undefined  
var x = 5;
```

## Function Hoisting:

- Function declarations are also hoisted to the top of their scope, and you can call a function even before its actual declaration in the code.
- For example:

```
sayHello(); // "Hello, World!"  
function sayHello() {  
  console.log("Hello, World!");  
}
```