

VAR	Let	Const
<ul style="list-style-type: none"> • <code>var</code> was traditionally used in JavaScript for variable declaration. • Variables declared with <code>var</code> are function-scoped or globally scoped. • They can be re-declared, re-assign and re-initialization can be done and updated within their scope. • Hoisting: Variables declared with <code>var</code> are hoisted to the top of their scope. This means you can access the variable before it's declared, but it will have an initial value of <code>undefined</code>. • Global Scope: If <code>var</code> is used outside of any function, it becomes a global variable, which can lead to unintended consequences and pollute the global namespace. • Function Scope: Variables declared with <code>var</code> are function-scoped, meaning they are visible throughout the function in which they are declared. • No Block Scope: Unlike <code>let</code> and <code>const</code>, variables declared with <code>var</code> are not block-scoped. They are function-scoped or globally scoped. 	<ul style="list-style-type: none"> • Introduced in ES6 (ECMAScript 2015) to address some of the issues with <code>var</code>. • Use <code>let</code> for variables that need to be reassigned. • Block Scope: Variables declared with <code>let</code> are block-scoped, meaning they are limited to the block (<code>{ }</code>) in which they are defined. • No Hoisting Issues: Unlike <code>var</code>, variables declared with <code>let</code> are not hoisted to the top of their block. They behave as you would expect them to. • Can Be Updated: Variables declared with <code>let</code> can be reassigned a new value within their scope. • Cannot Be Redefined: You cannot declare another variable with the same name in the same scope using <code>let</code>. 	<ul style="list-style-type: none"> • Also introduced in ES6, <code>const</code> is used to declare constants, which are read-only. • <code>const</code> for variables that do not need reassignment. • Constant Value: Variables declared with <code>const</code> must be initialized with a value, and that value cannot be changed through reassignment. • Block Scope: Like <code>let</code>, variables declared with <code>const</code> are block-scoped. • Immutable Binding: Although the value assigned to a <code>const</code> variable is immutable, it does not mean the value itself is immutable if it's an object or array. You can change the properties or elements of the object or array. • Must Be Initialized: You must assign a value when declaring a <code>const</code> variable. Unlike <code>let</code>, you cannot declare a <code>const</code> variable without initializing it.