



JavaScript Essentials

Variables



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Lesson Objectives





- Understand what is a variable ?
- Able to declare variable to solve common problem
- Understand 6 value types of data in JavaScript
- Understand dynamic typing in JavaScript





Section 1

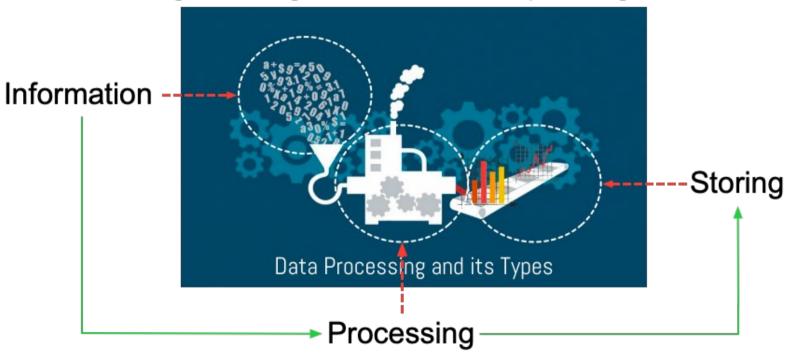
Overview

Overview – Data and Variable





Programming is all about manipulating data

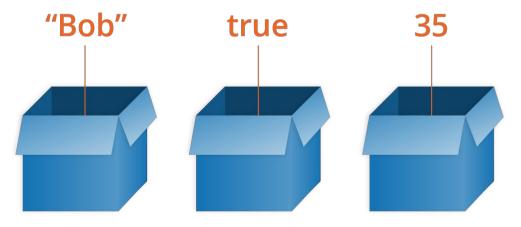


Overview - Variable





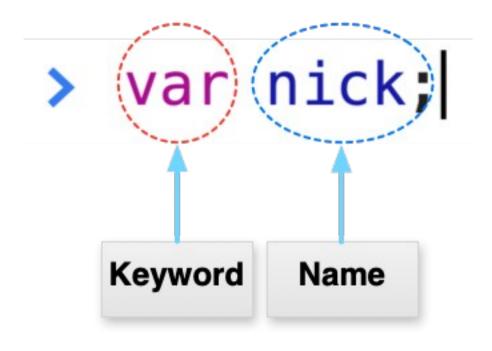
- JavaScript lets you give names to values using variables
- You can think of a variable as a box that you can fit one thing in
- If you put something else in it, the first thing goes away.



Overview – Declare a variable



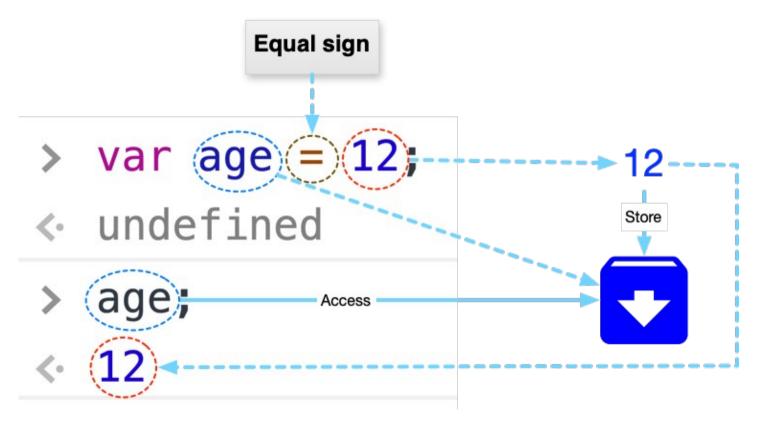




Overview - Initialize a variable



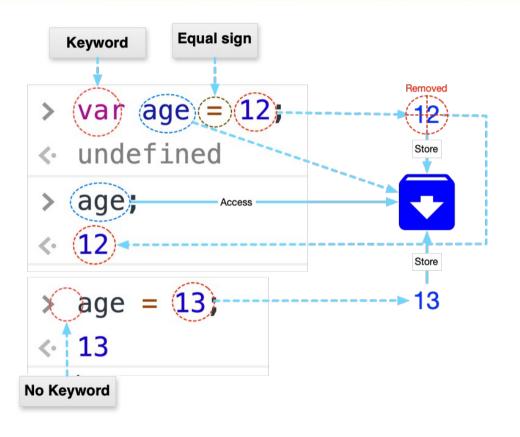




Overview – Update a variable







Overview – Naming Variables

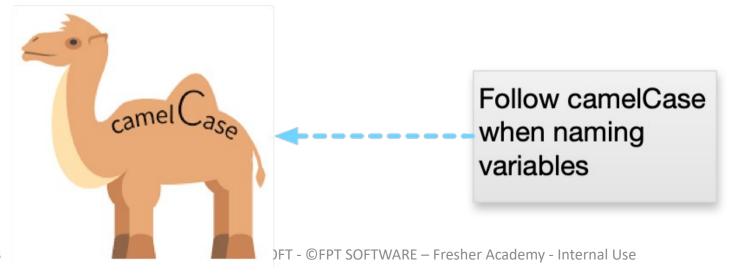




Warning

Be careful with your variable names, because it's easy to misspell them







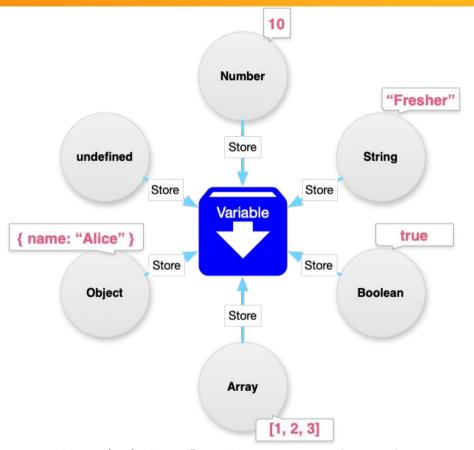


Demo: Create new variable using Math

Overview – Data types







Overview – Dynamic typing





- JavaScript is a "dynamically typed language"
- You don't need to specify what data type a variable will contain (numbers, strings, arrays, etc)
- Use typeof operator to get the data type of variable contain
- Be careful when working with dynamic typing language

Overview – Summary





- Programming is all about manipulating of data
- We manipulate data with variable
- Variable is a container for data
- By combining multiple operators on variable, we can create more complex value
- In JavaScript, you must take care of variable data types else your program will not behave like you expected





Thank you Q&A