

Variables



Storing Data

- Part of learning to program is learning to store data
- In JavaScript, data is stored in variables
- To use a variable, you have to declare it







Storing Data

Variable Name	Memory Location	Value "stored" in computer
name	11001100001101	"Christopher"
age	11001100001110	
•••	11001100001111	
•••	11001100010000	
	11001100010001	
	11001100010010	
	11001100010011	





Variable Names

- Consists of letters, digits, underscores, and dollar sign(\$)
- Can not start with a digit
- Are case-sensitive...
 - name Name, naMe, NAME are all different variables
- Should be mnemonic (meaningful)





Variable assignments

- It is silly to have a variable if you are never going to use it
- You can assign values using the = operator

```
var name = "Colleen";

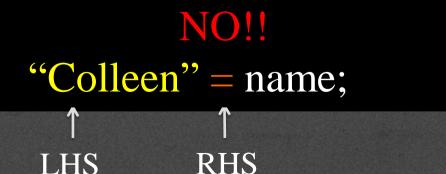
assignment operator
```





Assignment statements

- I like to refer to the LHS and RHS of statements
- LHS the variable being updated
- RHS the new value that will be stored in the variable







Using a Variable

```
var name = prompt("What is your name?");
document.write(name);
var date= Date();
document.write(date);
var location= window.location;
document.write(location);
```





Review

- Variables are a key component of creating interactive programs
- We will be using them in the remaining lectures so practice them and feel comfortable





Acknowledgements/Contributions

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