



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

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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