



Codergirl - JavaScript

Class 2

August 19th, 2020

Agenda

- Conditionals and Debugging
- Recap of Exercises
- Studio
- Recap at 8 pm

boolean

true or false

NOT True or False and

NOT 'true' or 'false'

let ateDinner = true;

let readyToLearn = true;

let bored = false;

Comparison Operators

- `==`
- `!=`
- `>`
- `<`
- `>=`
- `<=`

Loose/Strict Equality

- **== versus ===**

4 == "4"	true
4 === "4"	false
0 == ""	true
0 === ""	false

Use a === strict equality (or !== strict inequality) comparisons to compare values and avoid type conversion issues:

Logical Operators

- `&& || !`
- `homeworkCompleted && choresCompleted`
- `ateFruits || ateVeggies`
- `!misbehaving`

Truth tables for && and ||

For && to be true all conditions should be true

For || to be true any one of the conditions should be true

if statements

```
if(condition) {  
    do X  
}
```


if else

```
if(condition) {  
    do X  
} else {  
    do Y  
}
```

if else if

```
if(condition) {  
    do X  
} else if(condition) {  
    do Y  
}
```

nested if

```
if(condition A) {  
    if(condition B) {  
        do X  
    }  
}
```

Errors

- Syntax - error during parsing.
- Runtime - error during execution.
- Logic – unexpected outcome.

Debugging

- error messages
- console.log
- google

Best practices

- Tests
- Incremental changes
- Pairing/Mobbing



Code examples and exercises

Questions?

Studio time!