

Gold Badge Day 2

Goals for Today

Day 02

- Static Layout Release
- Help Queue Walkthrough
- Javascript - Understand Variables and Types
- Challenges - Strings and Conditionals

Announcements

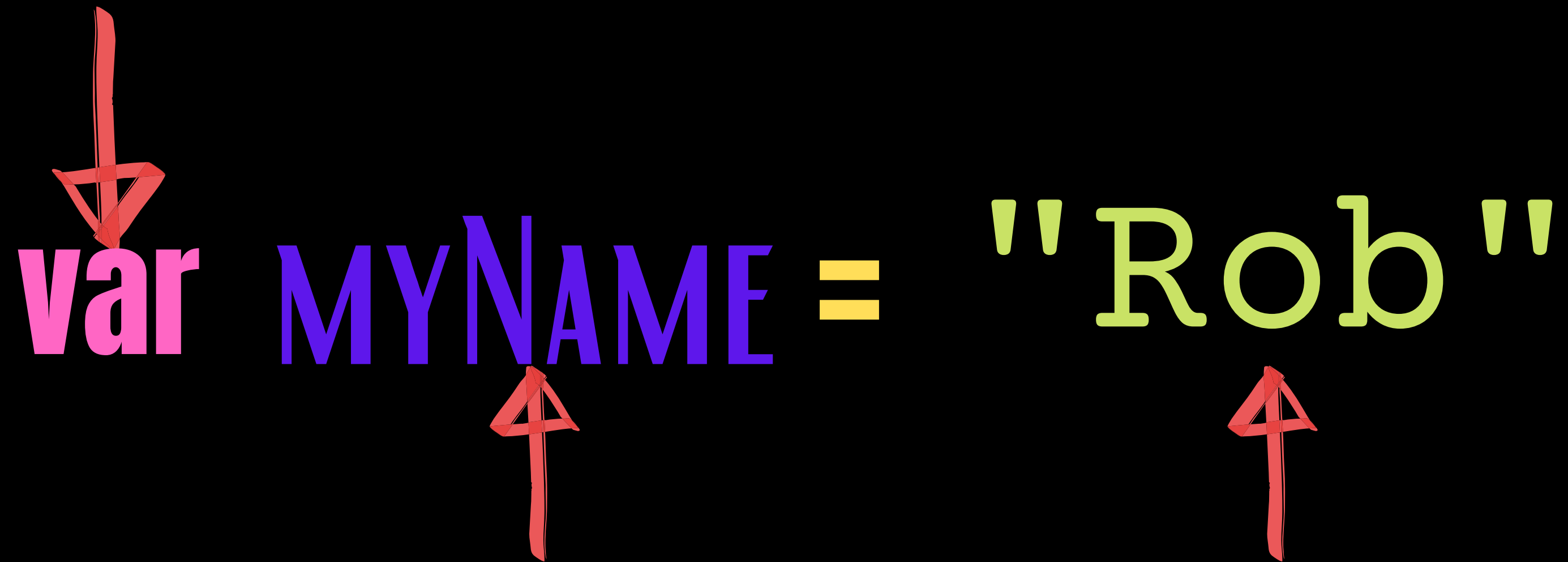
- CSS Creature - Due Tonight at Midnight
- Complete Week 1 Videos by Saturday
- Week 2 Videos will be released on Sunday

Static Layout

Help Queue Demo

JavaScript

Variables

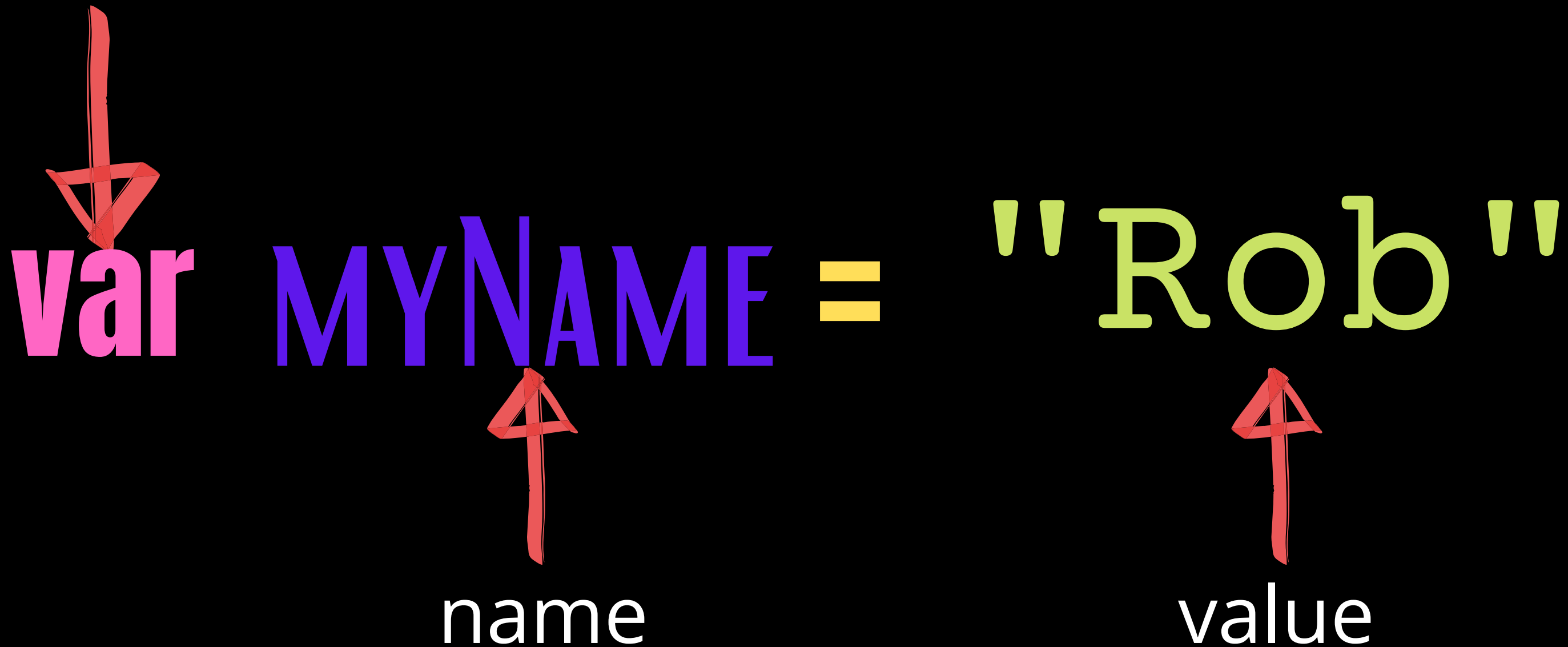


var **MYNAME** = "Rob"

The diagram illustrates the components of a variable declaration and assignment. A red arrow points down to the keyword **var**. Another red arrow points up to the variable name **MYNAME**. A third red arrow points up to the opening quote of the string value "Rob".

Variables

keyword



var **MYNAME** = "Rob"

The diagram illustrates the components of a variable declaration. A red arrow points from the word 'keyword' to the pink 'var'. Another red arrow points from the word 'name' to the blue 'MYNAME'. A third red arrow points from the word 'value' to the green 'Rob' within the string 'Rob'. The equals sign is yellow.

var



Variables

$$y = 10$$

$$5 + y = ?$$

Variables

Day 02

- Variables can change
- Declaration on the left side of the equal sign
- Assignment is on the right side of equal side
- You only have to declare the variable once

Naming of Variables

Day 02

- be thoughtful of the name
 - `favoriteFood = 'steak'` or `f = 'steak'`
- Don't go overboard
 - `robsReallyGreatJuicySteakMediumRare = 'steak'`

Writing Variables

Day 02

- favoriteFood = camelCase
- FavoriteFood = PascalCase
- FAVORITE_FOOD = SnakeCase

Variables

Day 02

- VAR - just know that var is acceptable but not preferred to use
- LET - use LET rather than VAR
- CONST - use if value will not change

Variables

Day 02

- Variable Names are Case Sensitive
- let `name` = 'Rob'
- `NaMe` does not equal `name`

Strings

Day 02

- Strings are noted with a quote
- What ever type of quote you start with you have to end with.
- Double Quotes: `let name = "rob"`
- Single Quotes: `let name = 'rob'`
- Backticks: `let name = `rob``

Combining Two Strings

Day 02

- `let phrase = 'Hello'`
- `let name = 'Rob'`

```
console.log(phrase+ ' ' +name)
```

Common String Properties

Day 02

- `toLowerCase()` - returns string in lowercase
- `includes()` - returns true or false if the string includes the value
- `length()` - returns size of the string in number

Conditionals & Strings

The On Track Student

- Watch Videos (2 hours)
- Terminal Dungeon (20 mins)
- Static Layout (24 hours)

