



Codergirl - JavaScript

Class 4

August 26<sup>th</sup>, 2020

# Agenda

- Kahoot
- Studio recap
- Loops
- Exercises
- Questions

# Practice

- Strings and Arrays
- Turning instructions into code
- Confusion is part of the journey...

# Studio review

Node.js – released in 2009.

Module and require()

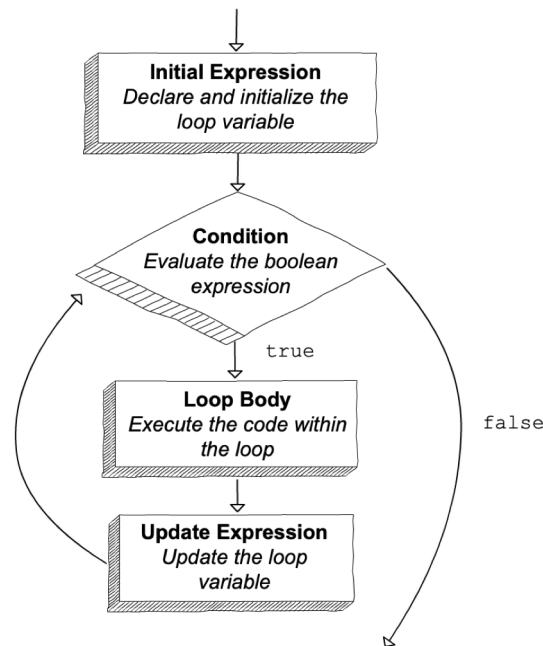
npm install readline-sync

```
input = require('readline-sync');
```

<https://www.npmjs.com/package/readline-sync>

# for loop

```
for (initial expression; condition; update expression) {  
    loop body  
}
```

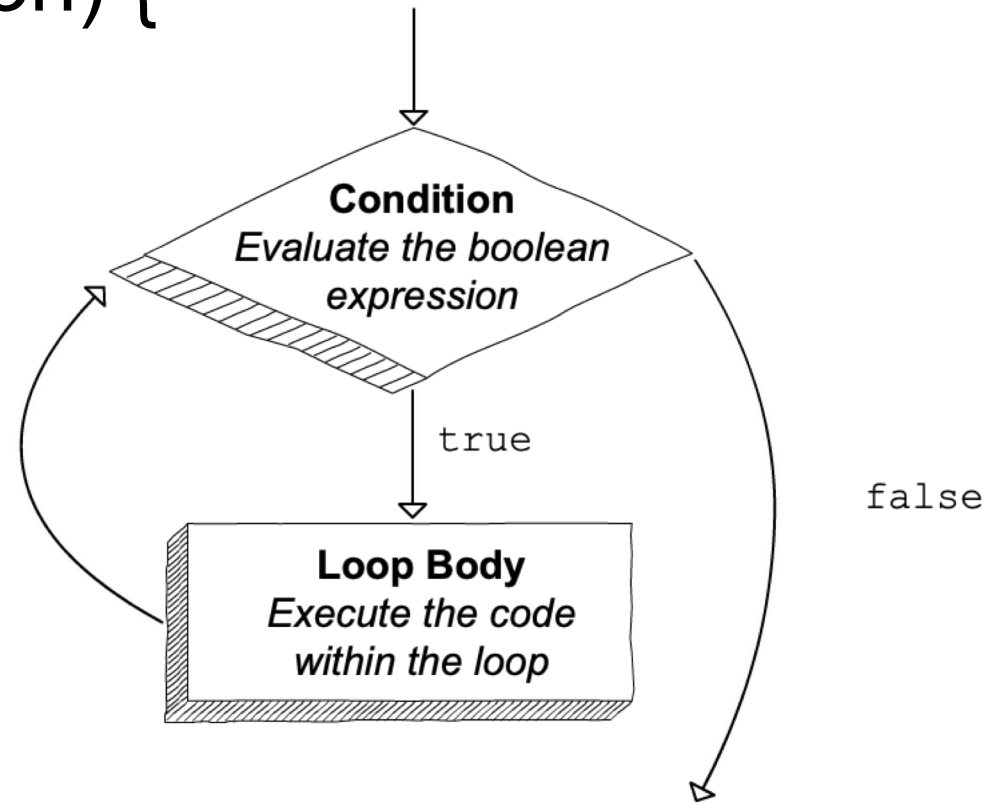


## for loop Example

```
let family = ['Mama bear', 'Papa bear', 'Sister  
bear', 'Brother bear'];  
for (let i = 0; i < family.length; i++) {  
    console.log(family[i]);  
}
```

# While Loops

```
while (boolean expression) {  
    body  
}
```



# While Loop example

```
let family = ['Mama bear', 'Papa bear', 'Sister  
bear', 'Brother bear'];
```

```
let i=0;
```

```
while (i < family.length) {  
    console.log(family[i]);  
    i = i + 1;  
}
```



# break keyword

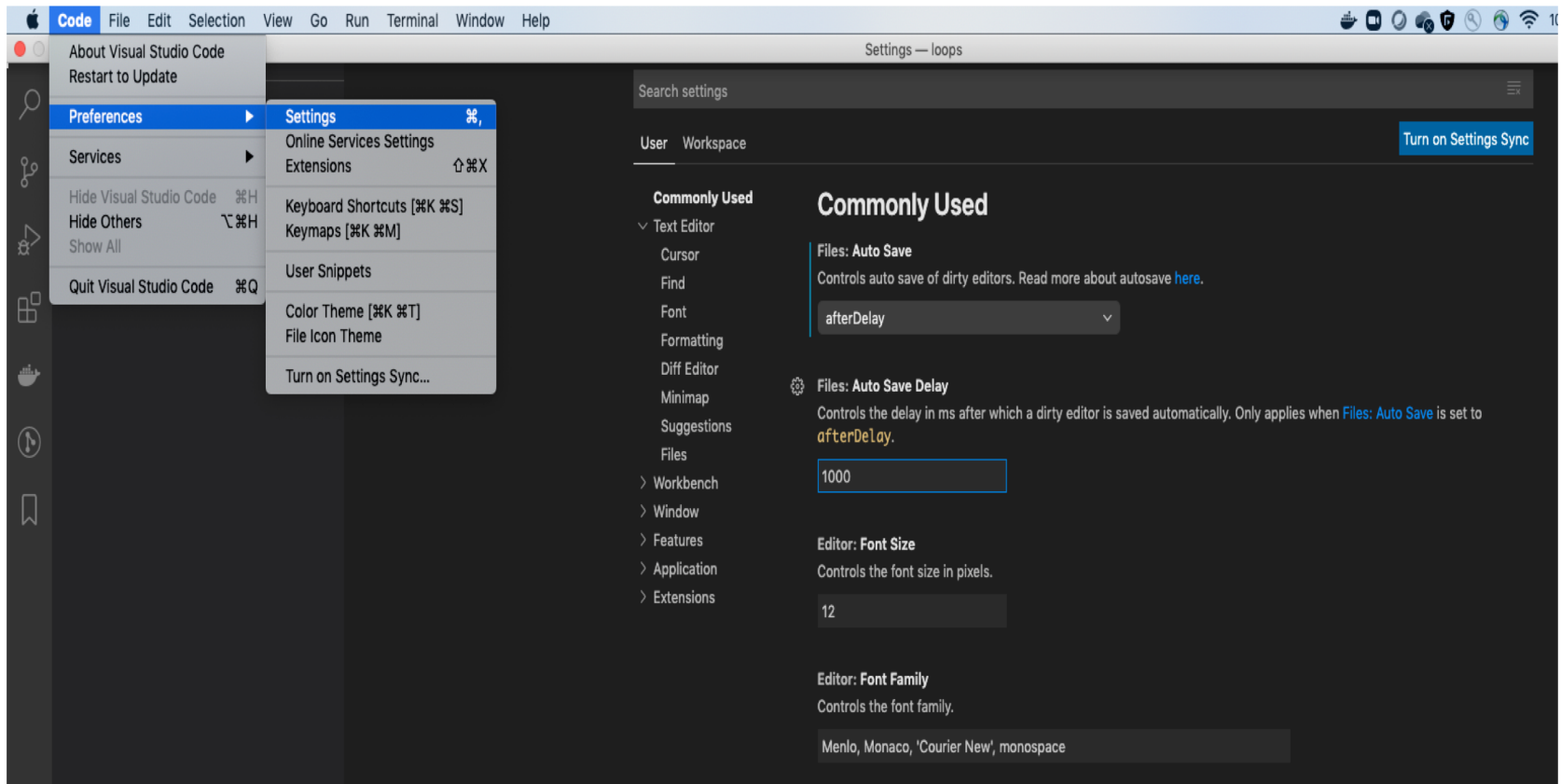
```
let family = ['Mama bear', 'Papa bear', 'Sister bear', 'Brother bear'];  
let i=0;  
while (i < family.length) {  
    if(family[i].includes('Mama')) {  
        console.log(`family includes Mama at index ${i}`);  
        break;  
    };  
    i = i + 1;  
}
```

# Usages of loops

Accumulator The accumulator pattern comes up regularly in programming.

Example – total/sum, reversing a string.

# Code examples and exercises



Questions?

<https://www.amazon.com/How-Women-Rise-Holding-Promotion/dp/0316440124>

## PART II

### The Habits That Keep Women from Reaching Their Goals

- |    |   |           |
|----|---|-----------|
| 4. | <u>The Twelve Habits</u>                              | <u>47</u> |
| 5. | <u>Habit 1: Reluctance to Claim Your Achievements</u> | <u>63</u> |

**Studio time!**