



Codergirl - JavaScript

Class 4

March 24, 2021

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()

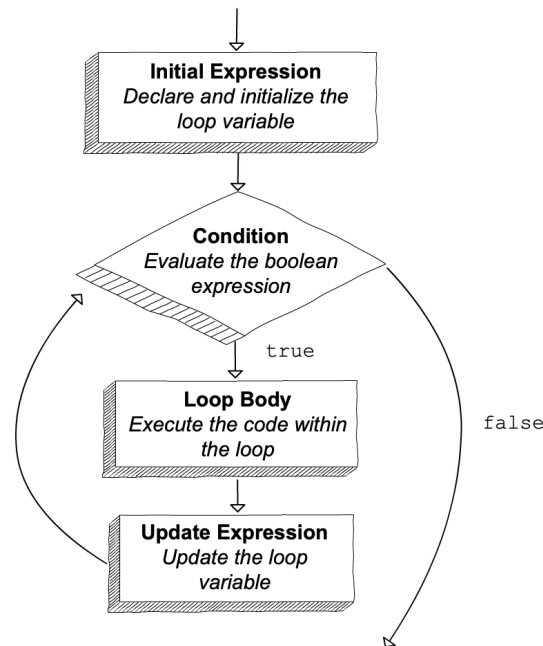
npm install readline-sync

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

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

for loop

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

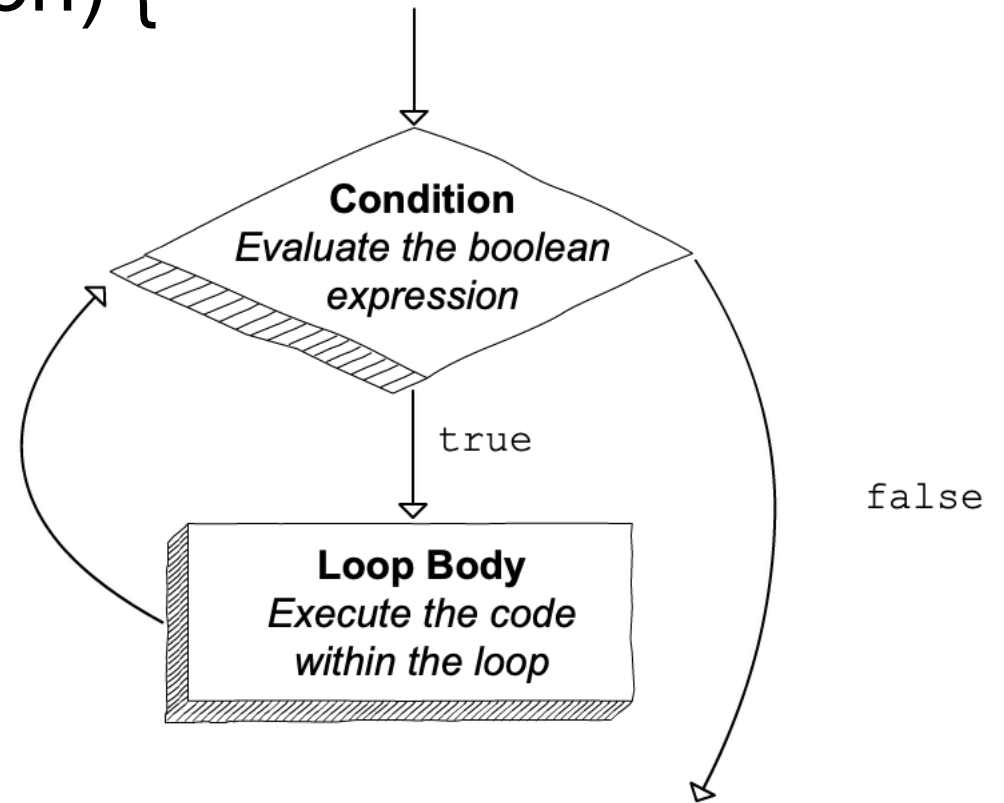


for loop Example

```
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?

Studio time!