



JavaScript Hip

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Agenda

Topics

- Advanced Functions
- Advanced Arrays
- Functional Programming
- Test Driven Development with Jasmine
- ES 6 and Babel
- Underscore JS
- Async Programming

Hands On

- 2048

Getting the Files

- Course files are hosted on GitHub.
- Files

www.github.com/moonhighway/javascript-hip

```
$ git clone https://github.com/moonhighway/javascript-hip.git
```



Functional Programming

- First-class functions
- Purity
- Immutability
- Statelessness - performing every task for the first time
- Eliminate side effects
- Small functions
- Composting - execute functions in sequence
- Everything is a function - `add(1, 1);` over `1 + 1;`

Benefits

- Readability
- Testability
- Reliability
- Reusability
- Replaceability

Rules

- Functions accept at least 1 argument
- Functions return data or another function
- Use recursion over loops
- Use immutable data

Focus on Rows instead of Grid



3	0	3
6	6	3
6	12	12

3	0	3
---	---	---

6	6	3
---	---	---

6	12	12
---	----	----

6	0	0
---	---	---

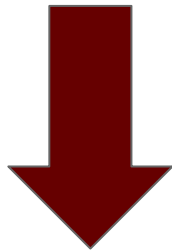
12	3	0
----	---	---

6	24	0
---	----	---

6	0	0
12	3	0
6	24	0

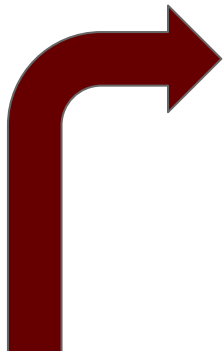
Swipe Down

3	0	3
6	6	3
6	12	12



0	0	0
3	6	6
12	12	12

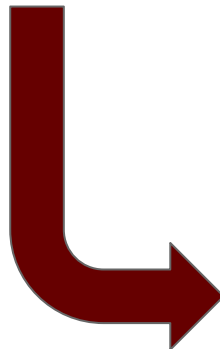
Swipe Down = Rotate, Swipe Left



6	6	3
12	6	0
12	3	3

12	3	0
12	6	0
12	6	0

3	0	3
6	6	3
6	12	12



0	0	0
3	6	6
12	12	12

Thanks for Attending

- Files

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