

Supplementary notes JS1-MAY23

Repo

<https://github.com/lavenderlens/JS1-MAY23/>

VS Code shortcuts

CTRL + B	toggle explorer pane / full screen
CTRL + +/-	up/down font size
CTRL + /	toggle comment on/off
CTRL + D	multi-cursor select
ALT + SHIFT + DOWN/ UP	duplicate line down/up
R-OPTION + 3	# Mac => VM

find and kill running servers:

ON MAC OS:

sudo lsof -i :<PORT>

(Replace <PORT> with the port number you want, but keep the colon)

// this will print out stuff including PID

kill -9 <PID> *// without angle brackets*

ON WINDOWS:

netstat -ano | findstr :<PORT>

(Replace <PORT> with the port number you want, but keep the colon)

netstat -ano | findstr :*

(ALL ports)

taskkill /PID <PID> /F
(No colon this time)

Delegate suggested
To run Node as a Docker container:
https://hub.docker.com/_/node

Jake Archibald Event Loop talk
<https://www.youtube.com/watch?v=cCOL7MC4PI0>

WHY DO WE USE FUNCTION EXPRESSIONS?

FUNCTION DECLARATION

```
function myFunc(){  
//code to execute  
}
```

FUNCTION EXPRESSION

```
var myFuncExpression = function(){  
//code to execute  
}
```

- unlike function declarations they are not loaded into memory during the first pass of the code
- so they will not be "hoisted" - they have to be declared nearer to (above) where they are used in the code
- they may be assigned to **const** and so made final
- they may be assigned to the **prototype** property

of a function constructor

clear online blog:

<https://gomakethings.com/function-expressions-vs-function-declarations/>

for the enthusiastic:

<https://frontendmasters.com/courses/advanced-javascript/function-declarations-function-expressions-and-block-scope/>

[course preview, paywall]

for grabs:

<https://github.com/getify/Functional-Light-JS/blob/master/manuscript/ch2.md/#chapter-2-the-nature-of-functions>

this is not the whole story - also concerns binding the context of 'this', but ES6 arrow functions have largely taken over - see Movies example code in 04-scope/04-bind...

links (tooling):

<http://dontpanic.website/tools>

FURTHER READING AND RESOURCES

Kyle Simpson You Don't Know JS series - past versions

free on GitHub

<https://github.com/getify/You-Dont-Know-JS>

Dan Abramov Just JavaScript (paid but STRONG recommend)

<https://justjavascript.com/>

Official docs (MDN) tutorials and reference

Tutorials trail

<https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide>

Reference start

<https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference>