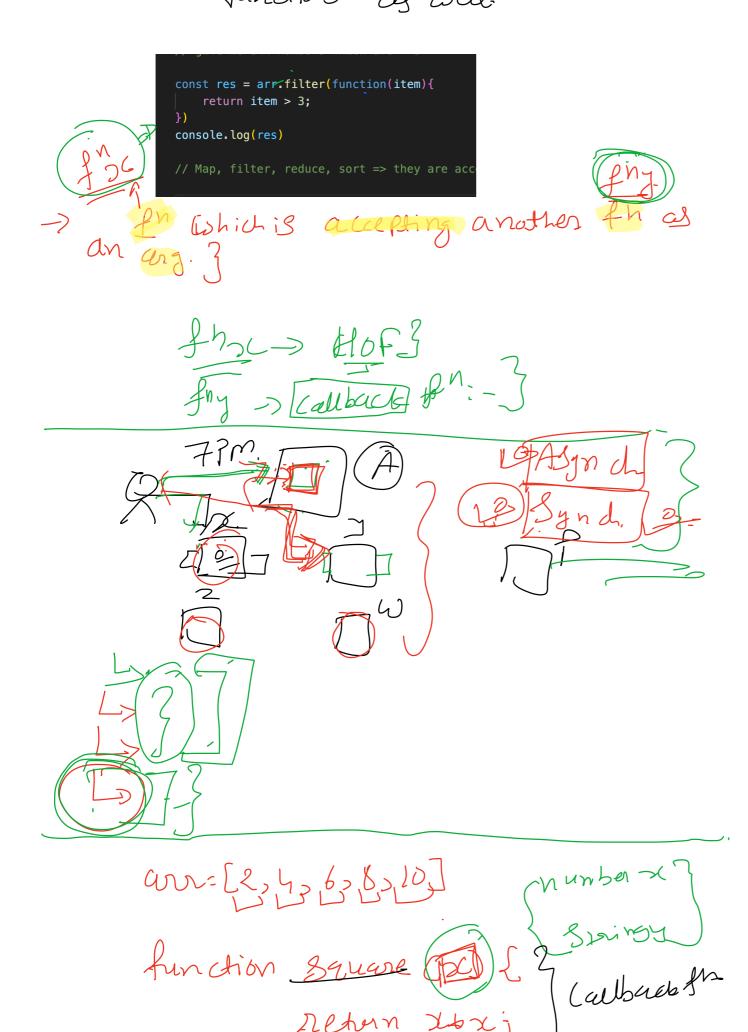
22/08/2022, 23:15 OneNote

22-08 - Advanced Javascript Concept - 2

Monday, 22 August 2022 8:22 PM

Higher order functions; CHOF)

HOF are functions that return other
functions as infuts as arguments of
return functions as well



may (Square)

## -> Process of Combining multiple simple fing to build a more complicated one.

Const add =  $(a,b) \Rightarrow a+b$ ;

Const mult =  $(a,b) \Rightarrow a*b$ ;

Add(2,mult(3,5)) => 17

2 + 3 \*5 +4 \*7 \*5 \*3

Add(2,mult(3,5), mult(4,7),mult((5,3)) Add(2,15,28,15)

2 + 3\*5 / 7

Const add = (a,b)=>a+b; Const mult = (a,b) => a\*b; Const divide = (a,b) => a/b;

Add(2, divide(mult(3,5),7))

## Currying:-

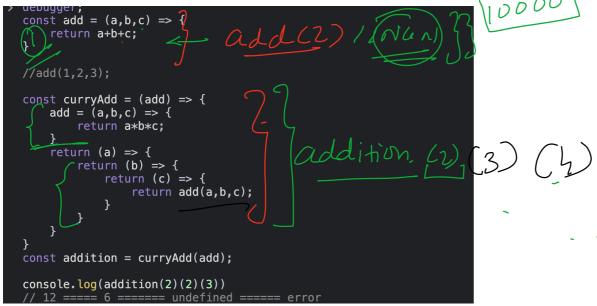
Currying is a technique of evaluating function with multiple arguments, into a sequence of functions with single argument.

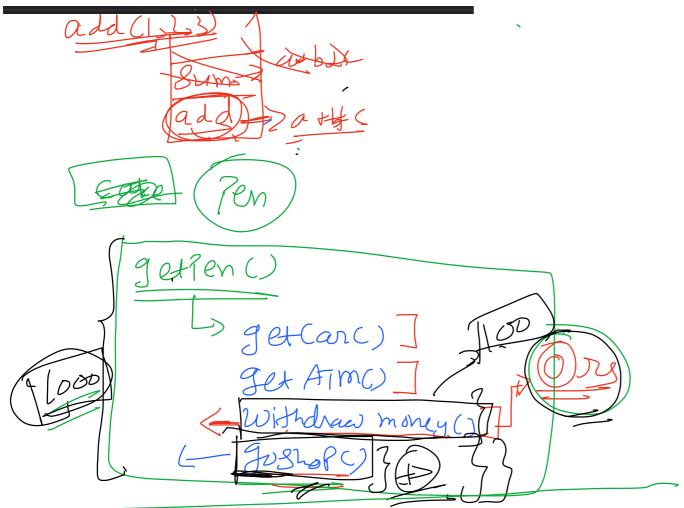
When a function, instead of taking all arguments at once, takes the first one and return a new function that takes a second one and returns a new function which takes third one and so on.

Uses:-

It helps to avoid passing same variable again and again

Ordinary function :-





Anonymous function :- will not have any actual name

```
Arrow =>

Left => arg
Right => logic

(arg) => {
    //logic
}
```