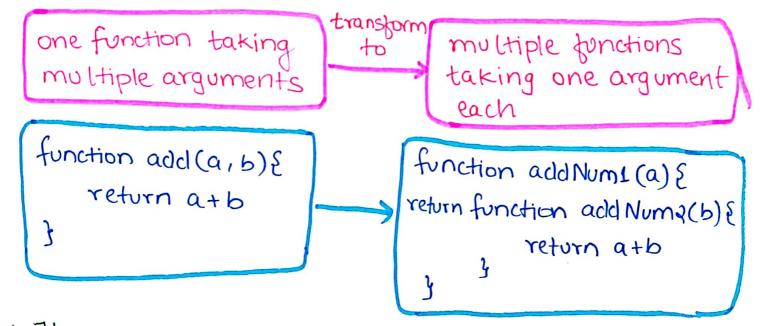
Cumying

@codeWithSimray

Currying is a mechanism where we can translate the evaluation of a function that takes multiple arguments into evaluating a sequence of functions that take a single argument.



function add Numz has access to variable a due to closures

So now, how do we use this function?

Decause add Numir only takes one argument and it returns a function so result of add Numics) is a function (add Numics) and we want to pass the second argument to add Numics

Alright, why would someone even do this in the first place??

het's say we just call

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addNumi \$(5)

trus will return us a function, so let's store it for future use

- → const addToNum5 = addNum1(5)
- 11 sometime in buture
- → addTo Num 5 (3)

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-> add To Nums (4)

we're trying to run less code in future by storing add Numbo add ToNums for future and not running it everytime

Compose

* The data processing that we do should be obvious

Example.

Ker's say we want to make a paste from 5 ingredients mixed together.

items add, itema blend, new Item add, items

Final Product _ blend

So final product is made from items, items, items and the order dosen't matter

What compose say's is we should be able to do

item 2 add > item 3 blend > new Item add > item 1

Final Product blend

A highly composable environment components can be assembled in various combinations and still get the right output

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Code example: -

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het's say we have a negative number, we want to multiply it with another number and return the absolute value

-2 * 3 -- 6 absolute 6

Let's compose these together

1) const composed Result =

we need to define our own compose func.

const compose = (f,g) >

- a) const compose = function (func A, funB) &
 - 3) return function (data) {
- 4) return funcB(funcA(data))

>> composed Result (-2) funca (funcil (data))

Let's assume multiply By3 and return Absolute are defined.

on line one we're calling compose function that takes a functions as arguments and returns a function (line 3), this function is shored in composed Result. We can now coul composed Result with any data (-2) and if applies function result of function