Arguments keyword. function sayHello(name) console.log ("Hello" + name); (Occepewith Simran say Hello ('Simran'); We already know calling a function creates a separate execution context for it. If you see the execution context of say Hello you will selan object named arguments. arguments: {0: Simman'3 gloobel execution antext

rfwe passed 2 arguments we'd get @codewithSimran

arguments: 20: 'first argument',
31: 'second argument'

so arguments is an object, it's not an array!
All the keys of arguments object are 91, 2, 3....

How do we iterate the arguments object?

You can use the new Array. from what does Array. from do?

Let's say our arguments object is &o: 'Simran', 1: 'Tina',

2: 'John' & @code with simen

> Array.from (arguments) \_ ['Simran', 'Tina', 'John'] It returns us an array of all values:) We can now use any array metros de on it. @codewithsimman we can use the spread operator (any name but not arguments) function { sayHello (... args) Since its reserved Reyword

Now we can do args[1] and so on arg s[0], args[1] and so on Ococlewithsimman

what happens when dyou don't pass any arguments to a function

You will still get arguments object but it will be empty {}

Summard

@codewithSimman

- > There can be multiple execution context,
  - An execution context is created every time we call a function
  - -> Execution context of every functions has an arguments object

## variable environment

whenever we create an execution whenever we calling a function we so far know we get this and arguments object. There's one more thing Occodewithsimmy

Execution Context sayHelloc)
this arguments

variable environment

variables, variables...

Since variables declared inside a function are local to that function, they reside in the variable environment or local environment.

\* Dru the function Stops executing Or is done executing its execution context is removed. Therefore so is the variable environment. So we can't have access to variables declared inside a function when it is done \* executing

## Scope Chain @ codewithsymian

- > Each execution context has a link to it's parent.
- -> The parent is decided by where twis function is lexically (where is it in the code)

var name = 'Simrah' function sayHello()

function SayByer)

@coclewith Simman

-> Both sayHello and say Bye have access to the variable name

All functions have access to grobal so scope ] \*\*

In Javascript Static sor scope
defines (what
count data a function has acres
to depends on where the function was defined and not where it
was called. OcodewithSimman
So JE already decides at compile
in unat functions will have
access to which variables because
it knows where a function is defined (when it sans the file)
LATERA but it absent care your
where the function is called.
Con to console define a function
thus show have your
Lynchon, say Hellow By,
say Hello: -> [say Hello will have]
Say Hello:: Say Hello will have  [Lsupe] and it will  tell you its sope in  this case global)
this case global

Scanned with CamScanner

## Exercise

function leakage() {

name = 'Simran'

Where is name in the execution

context?

It should be in the execution context of leakage function right? BUT, it's not. Since we didnt declare name with var, let, const etc, leakage function say Hey I dont have the variable name and passes on to global context, global context says I don't have it either: /. So the JE creates a variable in the global supe. This is called leakage of global variables

## Ever heard of 'use Strict'? When you write 'use strict' on top & your file, it dosent let you create variable without actually declaring tuem (Using varilet or const Okay ... "Use strict is a niu friend. Dosent let you go in the wrong direction:D