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* The Scope Chain :-

→ Scope in JS is directly related to lexical environment

↳ Scope — means where ~~you~~^{we} can access specific variable and function in our code.

There are 2 aspects to it

What is the scope of variable 'let 'b' '.

Is variable (let 'b') inside the scope of a function.

Q. What is lexical Environment?

It is Reference to the lexical env. of "a()".

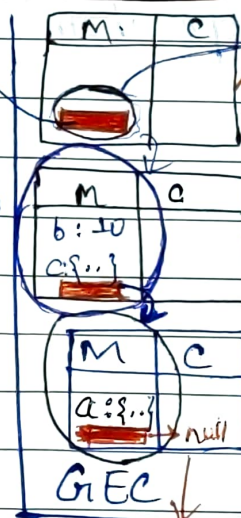
e.g.

```
function a() {  
  var b = 10;  
  c();  
  function c() {  
  }  
}  
a();  
console.log(b);
```

Call Stack :-

along with memory space it is created.

It is pointing to the lexical environment of parent.



Execution content of c()

Execution content of a()

Global Execution Content

local memory + reference to
lexical environment
of parent (i.e. lexical parent)



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↳ Lexical Environment is the local memory along with the lexical environment of its parent.

Q. What is lexical?

→ It is a term means in hierarchy or in a sequence

e.g. c() is lexically inside a().

Q. What is Scope chain?

→ The mechanism of finding the variable is known as ~~scope~~ scope chain.

→ Scope chain is nothing but the chain of all lexical environment & parent references ^{this} is called scope chain.