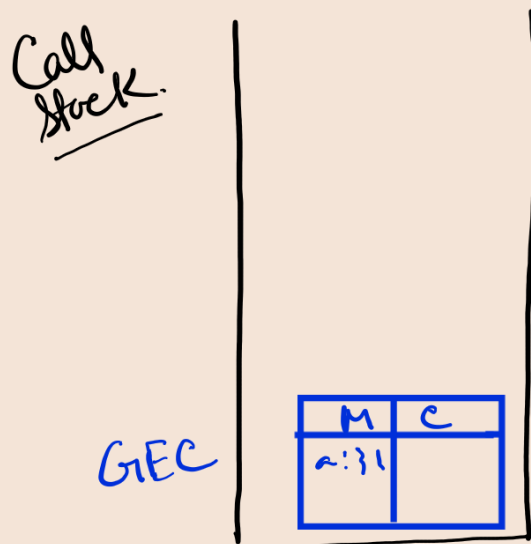


- function a() {  
   function c() {  
     console.log(b);  
   }  
   var b = 10;  
   a();  
 }

>> 10

- function a() {  
   var b = 10;  
   c();  
   function c() {  
   }  
   a();  
   console.log(b);  
   >> b is not defined.

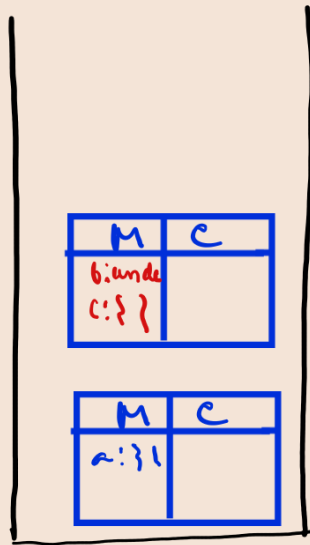
Scope - Current context of execution in which variables, functions and objects are accessible.



- ① GEC is created and value is assigned to a.
- ② Invokes function a.
- ③ Execution context is created for a.
- ④ Assigns memory for b & c.

Call  
Stack.

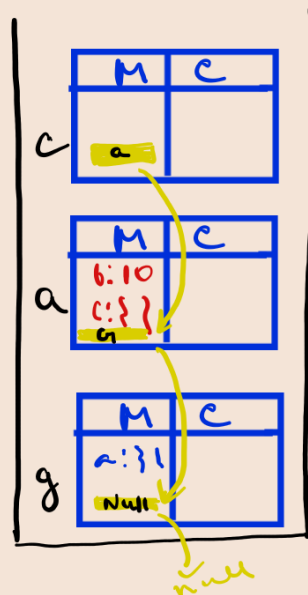
GEC



⑤ Then assign  $b = 10$ , then again invokes  $c$ , another execution context is created.

Call  
Stack.

GEC



• - Lexical environment

Whenever an execution environment is created, a lexical environment is also created.

Hierarchy • Lexical environment is the local memory along with the lexical environment of its parent

\*  $c$  can lexically access  $a$  and also through to GEC.

• The whole chain of lexical environment is also known as scope chain.

