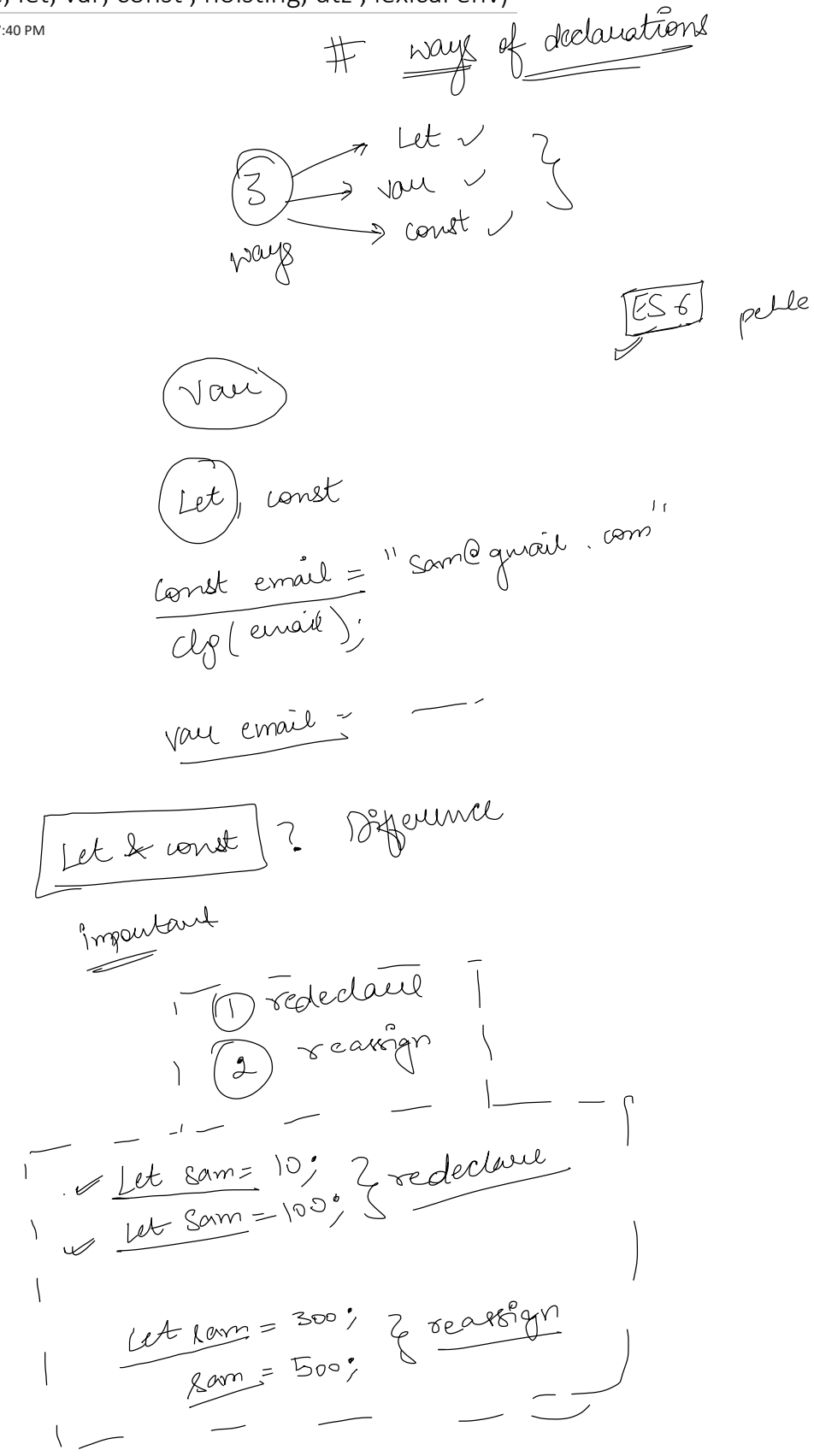
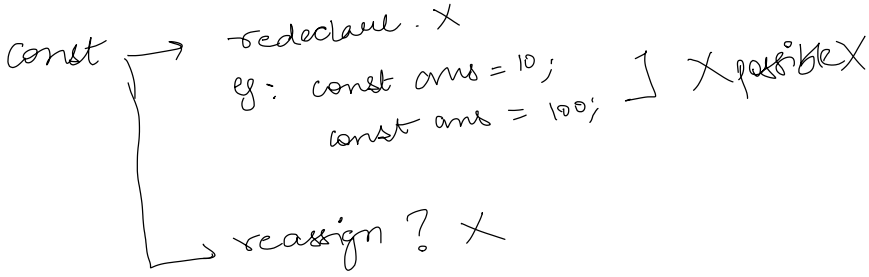
Day22(scope, let, var, const , hoisting, dtz , lexical env)

Monday, 3 April 2023 7:40 PM

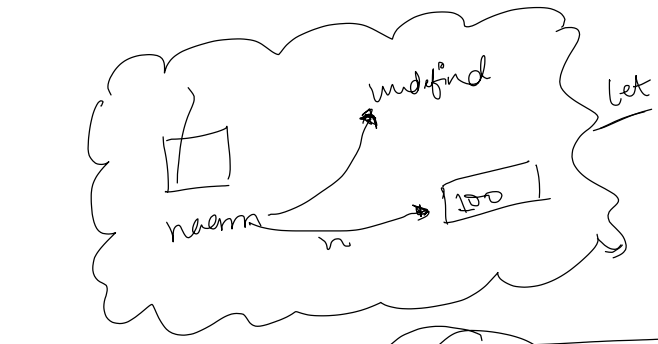


const variable ko at the time of declaration hi value provide karni padegi.



const a;
a = 12;
SyntaxError: Missing initializer in const declaration

eg : const


undefined
let
naam
100


Scopes
patna
1
2
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scope
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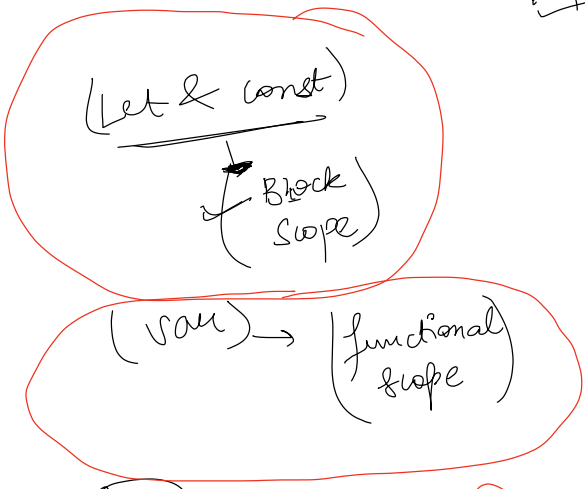
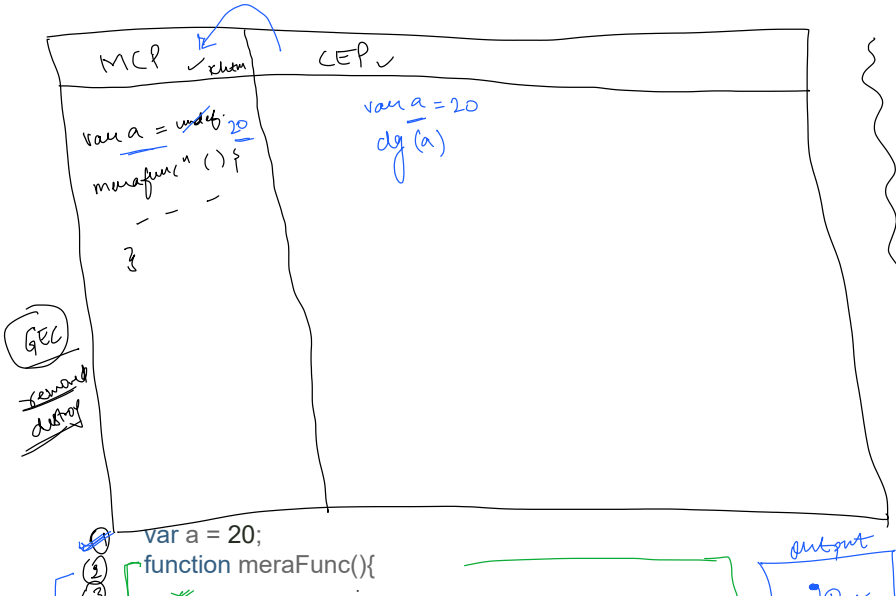
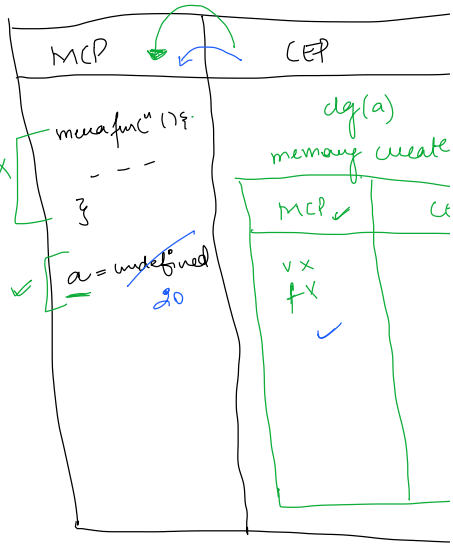
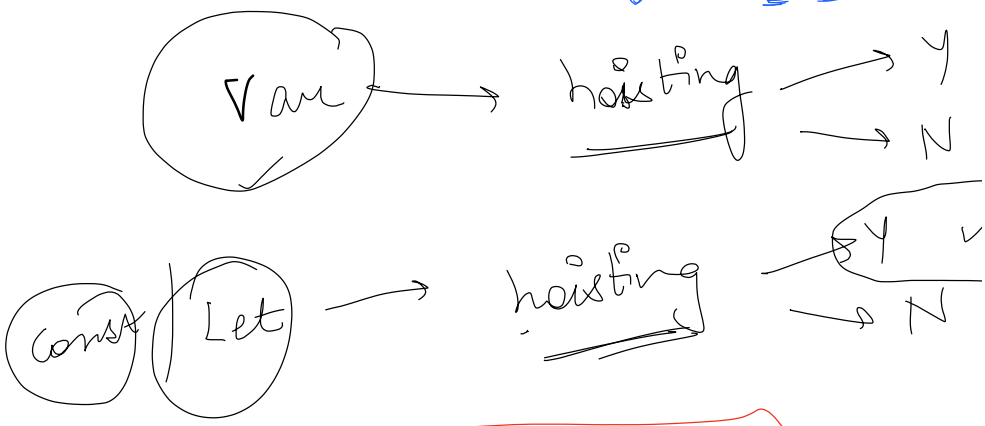

(let & const)
Block Scope
(var)
functional scope


MCP
CEP
var a = undef. 20
meraFunc() {
}
var a = 20
dg (a)
GEC
var a = 20;
function meraFunc(){

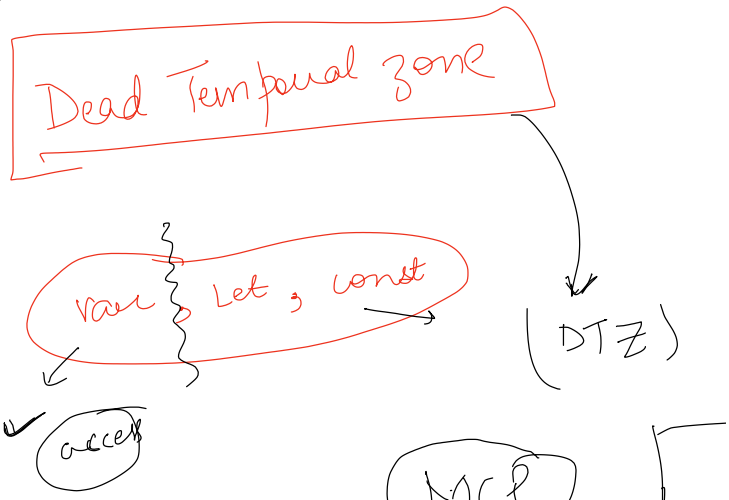

MCP
CEP
meraFunc() {
}
a = undefined
20
dg(a)
memory create
MCP

```
    console.log('inside mera function')
}
console.log(a)
meraFunc();
```

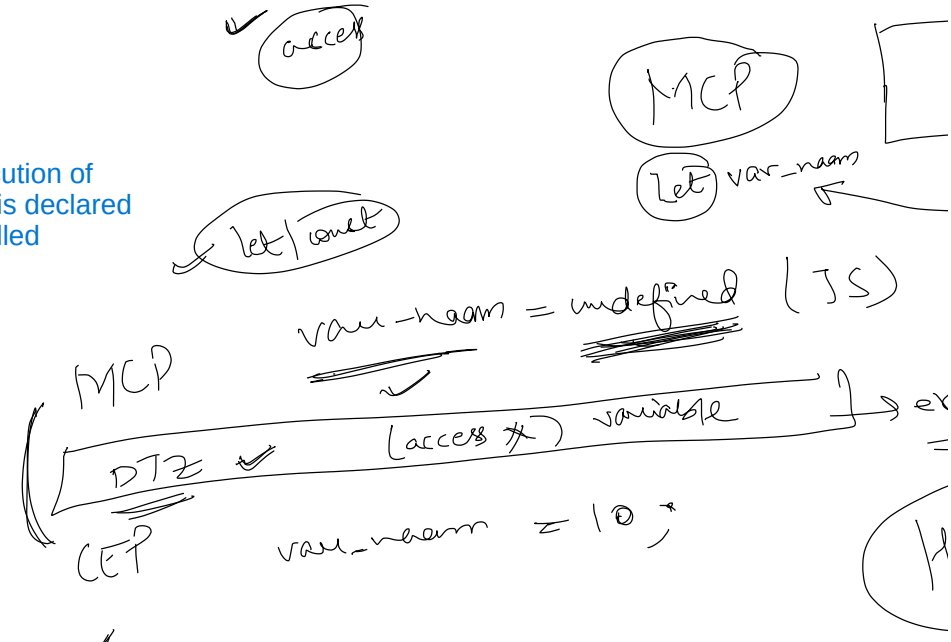
```
1  console.log(a);
2  meraFunc();
3  function meraFunc(){
4      console.log('inside mera f
5  }
6  var a = 20;
```

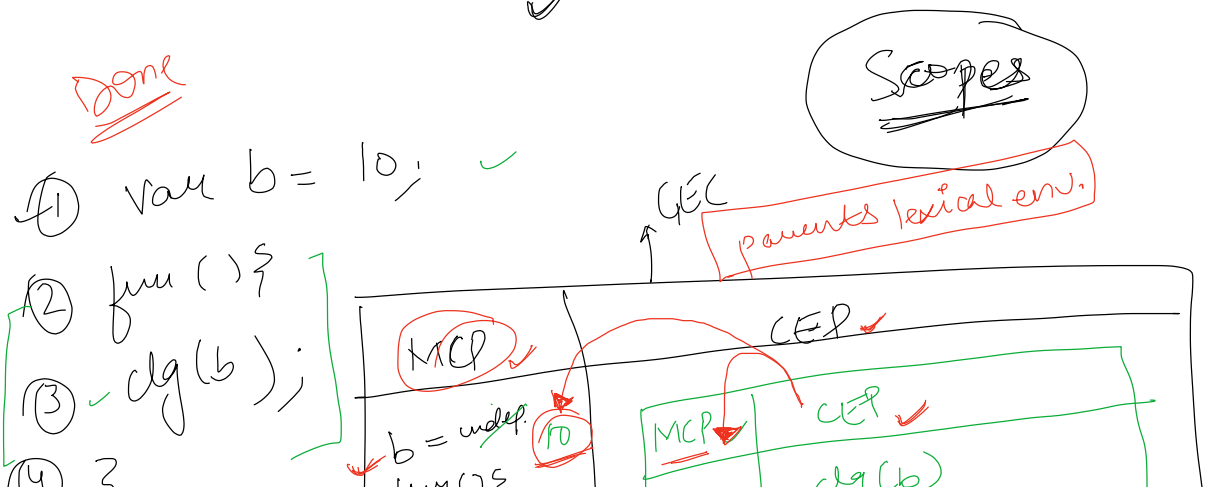


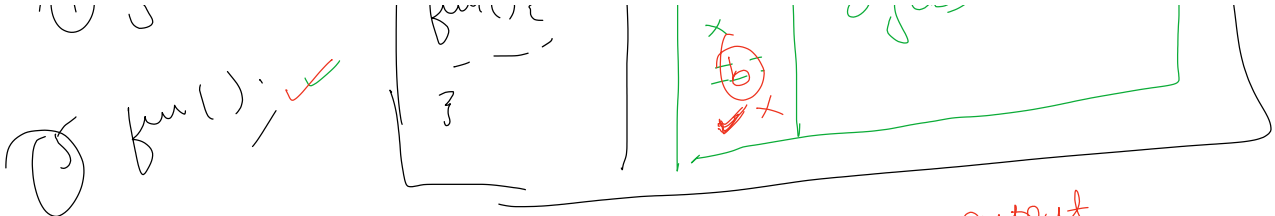
let case :
Tab tk hamare variable ko value assign nahi ki jaygei CEP(Code Execution Phase) m tab tk hum uss variable ko access nahi kar sakte.

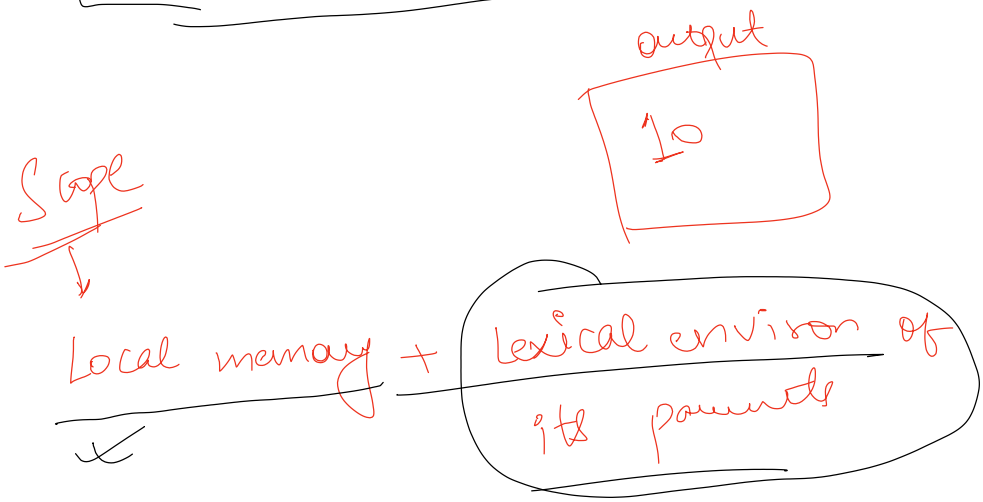


Dead Temporal Zone :
Phase between the starting of the execution of block in which the let or const variable is declared till that variable is being initialized is called Temporal Dead Zone for the variable.

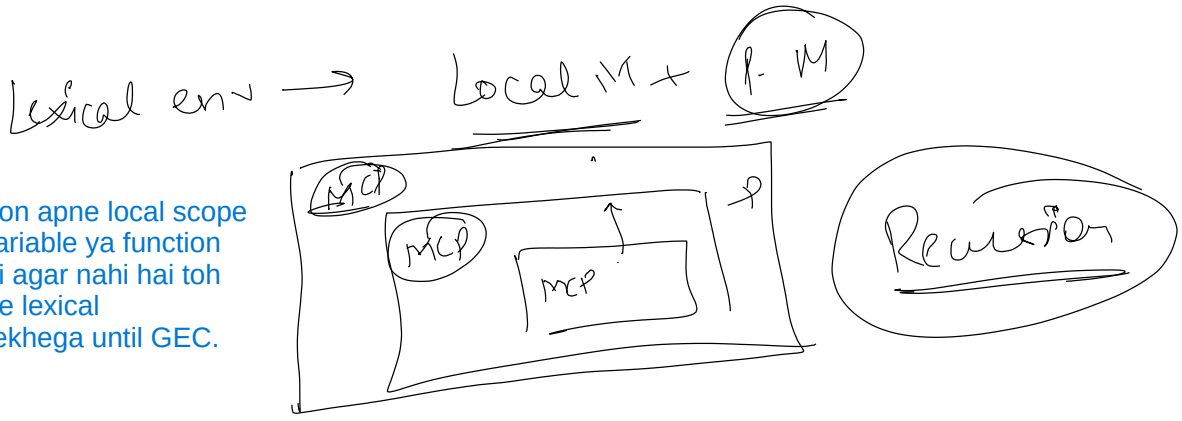




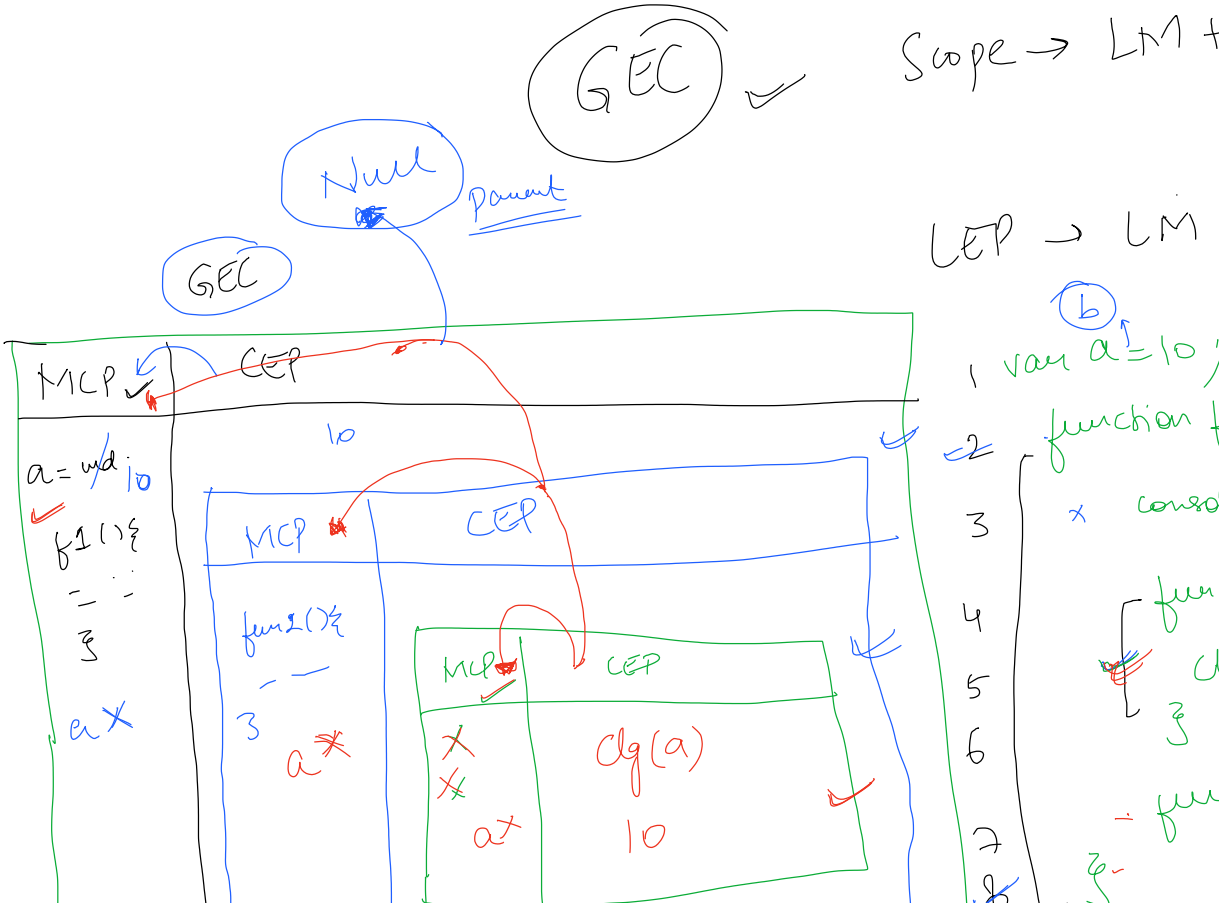


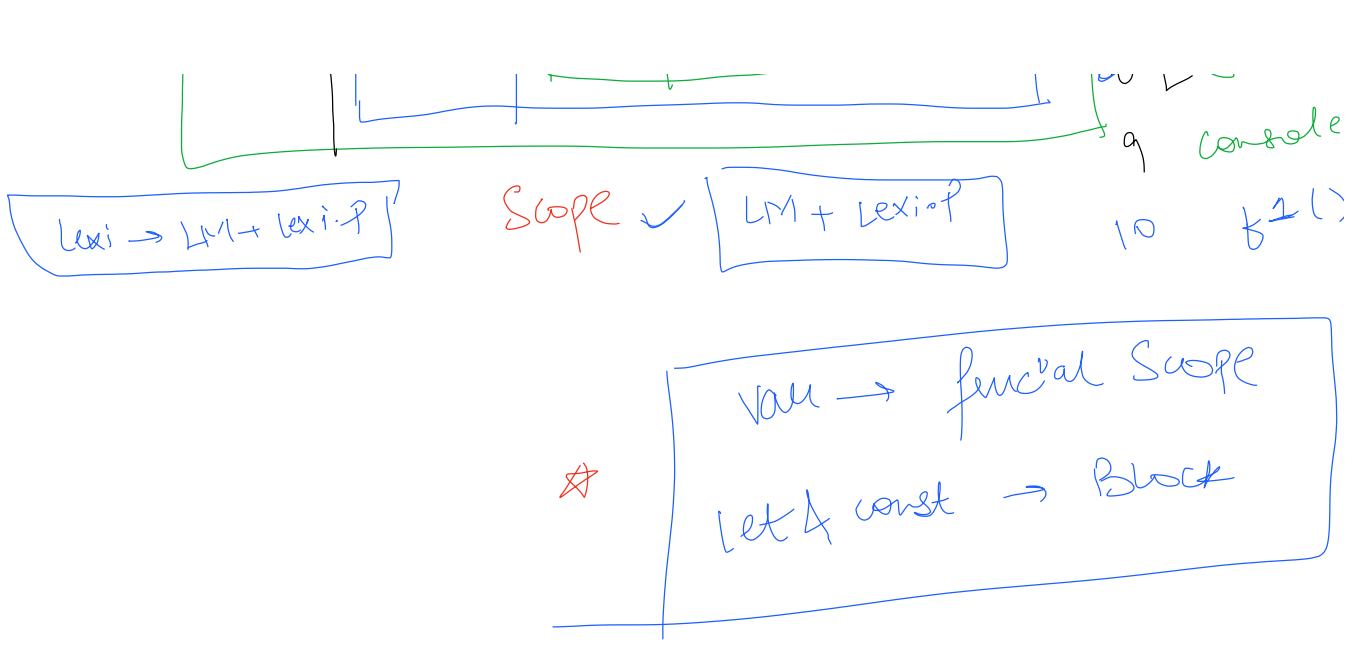


First find in local memory => If not found then find in its lexical parent envir.



Sabse pehle function apne local scope m dekhega ki ye variable ya function present hai ya nahi agar nahi hai toh woh apne parent ke lexical environement m dekhega until GEC.





Whenever a Global Execution Context is created along with that a Global object is also created.