episode 04

How functions work / variable environment

[also called as memory creation phase]

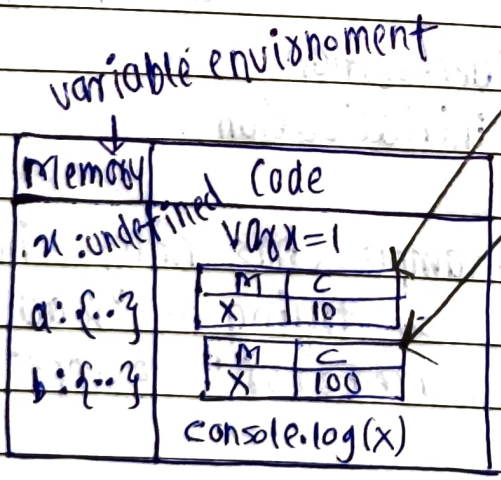
[function execution and invoking function]

```
var x=1;
a();
b();
console.log(x);
function a(){
    var x=10;
    console.log(x);
}
function b(){
    var x=100;
    console.log(x);
}
```

code

Answers in console ⟹

10
100
1

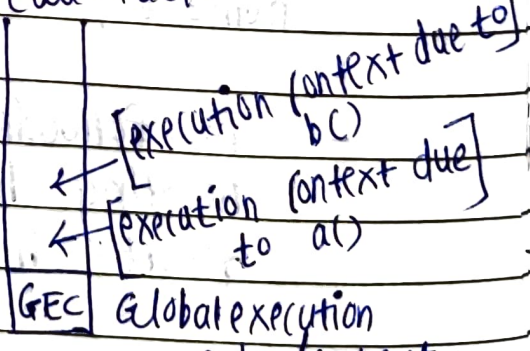


Global execution context

[execution context due to function invokation of a();]

[due to invokation of b();]

call stack



summary:- whenever a function is invoked in javascript a functional execution context is created and memory is allocated. once the memory is allocated to the variables and functions, then code is executed synchronously, one line at a time.