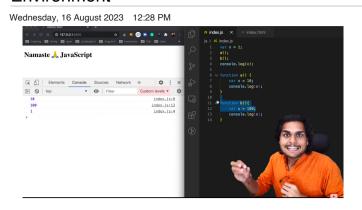
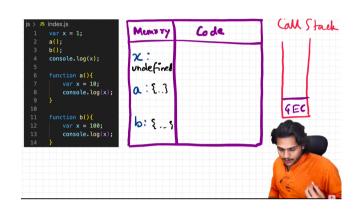
How Functions Work in JS and Variable Environment



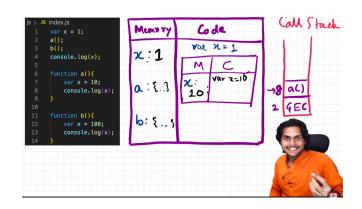
Now, we will see as to why the above code produces the above output.



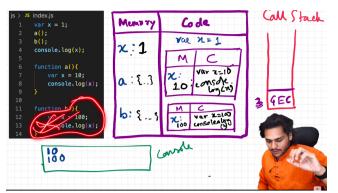
- In the first phase i.e the memory execution phase, 20 is given undefined value and for all & bld are stored as they are in the global EC.
- I After the first phase, we reach the ode execution phase, where value of re is replaced from undefined to 1.
- I when we reach line 2, another EC is pushed to the call stack and there, menory creatism phase takes place and another variable is allotted memory which is a and it given underhied value.

Now, code execution phase takes place, and value of x is replaced from undefined to 10. After encountering consolerly JS searches for the value of x inside the local EC & 10 is printed.

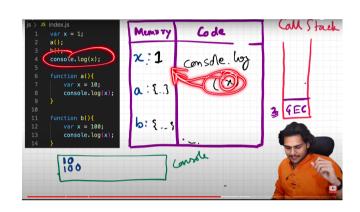
After the frends, the local EC is deloted & popped out of the call stack.



-> Similarly, same process is repeated when we reach line 3 and leaves when leaves we leaves when leaves whe



I Now, finally when we reach line 4, all local ECs have been deleted, so JS searches for the value of seinside the global EC and 1 is printed.



I Finally, when the program and, the Global EC is also deleted and popped off the call stack.