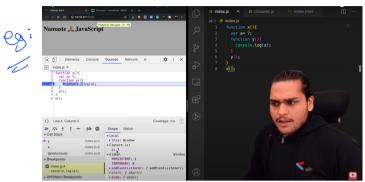
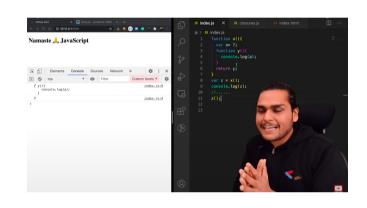
-> Closure; Closure is a for bound together with its lowical scape bundled together environment. Therefore for with its lowical scape bundled together is a closure.



- In above the fry CD was bind to the variables of freD. Thus, it forms a clustered it has access to its parent's lexical scope.



It Is we an return at, pass a fras a parameter and whathot.

-> Explanation of above code & offi

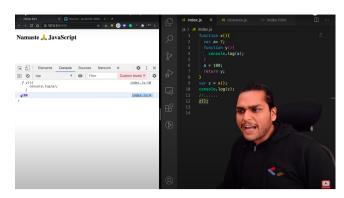
Now, we see that is allows us to even return fundions. When a f is returned, and stored inside a variable the whole f ade along with the reference of the lexical environment of its parent gets stored in the variable (in this ase; z). So, when we console z', we get the whole f as the offer Now, if we to invoke z() anywhere in the program then we get off as F.

This is because when Y() was returned and stored in Z; its reference to its parent is besical environment was also stored in Z. Therefore a closure was returned & stored in Z.

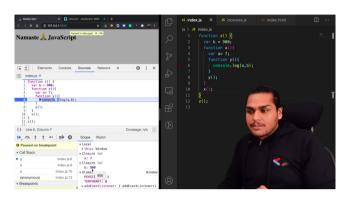


> There is no difference of the above code and this code.

-> Corpor coses :



There, since the reference of its parent's laid emironment is returned, thus, we is firsted as the value of a was changed to w.



There, of you forms do sure with from as well as or z(). Thus, it has reference of lexical environments of both.

-> Uses of dosures:

- 1) Modulo design pathern.
- 2) Currying
- 3) Functions like once
- 4) Memoize
- 5) Maintouring state in async world
- 6) Sot Timeouts
- 7) Herators and many more ...