Compiled C C++ Interpreted bash

Hybrid Jana Pyman

Clefine visibility In frogramming alse, Stepes defen visibility It détermines where all a variable is visible. Is is interpreted ?? Im, se enecution content has no idea beyond the current line. -> Hun is a combination of compilation & interpretation.

JS enectes your code in Aprases

Sintar error

Stope resulting -> 2nd phase - execution 2 value assignment to variable code execution

no ranoble gets a value only scopes are resolved Manager global C Singh whenen there is a formal var teacher = "Sanket Singh"; declaration of a voucable, it in another func? console.log("hello", teacher); Anura soursion also is introduced function gun() { // global 9 gun ← var student = "Karthik"; console.log("Welcome to the class", student); fun(); gun(); 14 "hells Anurge" fun in troduces it's Own Scope now var -> femchion scoper (if them is a func) oglobal Stofu.

Do How to Stop auto global creation

Strict Mode

NOTE

This way of 15 to do scope resolution, a head of time (creeking is called as LEXICAL SCOPING (Phase) is also called level & copy than)

Resolving variable 21 ofer before execution, is called conveal 2 coping

Dynamic Scupig -> Dury ountine au do Supe revolution. JS donot

Support it:

Block Scoping

pair of curly braces coeatre a new block encept object creation Block means callection of Statement

What is block scape?.

if a variable is only accessible in a block, gets a block

2 caper-

```
1 \rightarrow function fun() { g (o bal)

2 console.log(x); \rightarrow undefining

3 var x = 10; \rightarrow fun stope

4 } (onsole.log(x))

5
6 fun();
```

Temposal Dead Zone (TDZ)

where -> It is a term used to describe the State vanables are un-reachable.

When me declare variable may let or const, in the Siefer they are they remain in TDZ tell the time then declaration hits

2 althoud y has a block sufer de her this if is a block, if (kue) l ronsole.log (y); me still cannot access j, before the lene of its declaration let 7=10; as before that line it is q Console. log (y) TD2 for y. Available Accessible

JOIN THE DARKSIDE

Bluck Siga 2 is not accessible It is know f nu berow the 61.cle is the score of m/ only this region you But me cont Can access of, we it

var a (1et)???

seadable

function f () st toy d

x =10

catch L

2 = 91

y rutur x;

ININ THE DARKSIDE



Phenomena voir which func & vaniable move at the bot 100 wrong

Actually hoising is a consequence du to which func & variable are available before their declaration.

It hophere because of lemial Scape.