\* Hoisting in JavaScript.

Hoisting is a phenomena in Javascript by which we can access this variables and functions, even before we have initialised it or even before we have put some value to it. We can access it anywhere without any every in the program.

Examples: -

of call stark maintains by puder of Vay x = 7; Namaste Java Scrupt function getName () { Console. log ("Namaste Js"); th Execution Content Stock Ageir appropriate get Name (); Works Charles Clark. console. log(x);

In this example, have we are going to access 'x' & getName () even before we have initialised it.

getName (); console log(x); Vax x = 7; function log ("Nor function getName(){ consol·log ("Namaste Js"); O/p:- Nomaste Javascript Undefined.

getName ();

Console ·log(x);

function getName ();

console ·log ("Nameste Js");

?

function getName () {

Erroy: x is not defined.

'It is giving us Erroy because when it goes through the coole in 1st phase the Js find gotName() function only.

and in owy coole there is no 'x' is there.

So, it gives us Erroy.

function getName () {

Console · log ("Namaste Js");

Console · log (getNama);

There we are not invoking the fh but just tries to log this getName method.

Here we are trying to log out the get Name method even before we have initialised it.

Console log (get Name);

f get Name () {

Console log ("Namaste Js");

function get Name () {

Console log ("Namaste Js");

To understand, Why JS is behaving like this. Just remember in provious class we have studied. that whonever a JS code sun is created and it runs in 2 phase.

(1) Memory Creation Phase (2) Code Execution Phase.

-> So the ans lies in	Memory Creation phase only.
Even before the code state to each & every variable	aut executing, momony is allocated le & function present inside the program
→ If we write	These two are different ways of
Vova get Name = () ⇒ §	Justing a function.
Console. log ("Namoste Js");	But it will be stored in momory as a variable.  With a special value "undefined".
Var got Name = function () { Console·log ("Namaste Js"); }	: (another) gal-viewer);  output of the pot of
funtion getName() {  Console-log (!NamaskJs"); }	Then only  It will store the whole function in 1st phase.
	Post Home (1) ("at Home Je");
- Language to E 2111 - Wil making	led a 27 polis back in the second
and a no to a manager to the his	oute avoid ou wallo unace of a composition of the c
( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	() with the right will the