	T. 1 C. 11 F
	Type Script Fundamontals:
rulingovi.	
	this superset of Jonascript with new features. Strong typing Oop's concept
	3 Strong typing
The berte	oop's concept
	- Compile type errors are there
	- Depart was a day designed fragenti-
	Typescript Transpile Javascript (for browsers)
109 00	the part of the state of the st
*	Installation of TS
	nom install -9 typescrips
	isc Version
	to your tec main to of the well transpile to code }
10	node manige
	and the state of t
501/40	→ Variables:-
add told	two ways of var < name of voriable > - Value;
zol ida	to define let < " > = "
	Variable
*	when "var" is used to declare, its
to no	Scope is given to nearest function
4	Scope is given to nearest function when "let" is used scope is minimized
	all and all and a second
1 just books	-> Types:- of alleged Hilling
	let a number - number
	let a: boolean > T/F
	let a : string - " ''

let d: any let e: number[] > [1,2,3]

let f: any [] > array of any type enum < vos name > I data = valle, -let (var) = /2 >. Key to fetch the * Type Assertions: To define datatype to a variable it as preffered. (< type> Variable) Eg (< strong > name) -> will be as a Arrow functions: let < function name > = (Args) => [Logic] Interfaces:while accepting data.

Example 8-Interface Point [X! number, Y: number de let draw = (point: Point) => [now this function will only expect type as a Point which is defined as an interface. * Class in Ts: -To follow the property of cohesian, same type of functions & data must be of same unit. This unit is Example class Point of X: numbes Y: number this function will = draw () { use class vars this fution = get destance (another : Point) takes point as iclais Input.

the forme an image of a class with was to mized idata. let point = new Point () Object Variable * Now me can use this "abject" Variable for using classes functions to use variable of a slow inside

"I this. < variable > " is used to refer to

the variable -> Constructors in a class:when we want to assign some arguments to a class object when its being intiatized, constructors were used. Example class Num ? X: number. (orghuctor (num: number) this. x = num alligning the Value to X

let X = new Num (3) of the well set > & to define that mether constructor data is optional, we can add question mark after variable example :-(orstructor (num?: number) this question mark * Access Specifies: Private :- to define that variable or fuction can be used only M F within the class Public: - to define that variables or fuction can be accessed any where. 0 Example Private x: numble 6 Pyblic draw () (Lythis is a public fuction

* Access Modifiers in Constructor: class Point (constructor (private X? number, privat Y: numbe) to the variable which are private un constructor and can be used No need to re-assigning the values * Proposties of Class: 1) Getter: scope tell class only outside the class we use "get" function private _x = 10; get *() {

Yeturn thû._x 2.) Setter: -In the same manner to set value of a variable

set ex (Value) Modules: -As we cannot define all the classes & cade in single file, we can expert these classes & can be imported from file. export class Point of to import import & Point 3 from "Location of . ts"