O Prototype ?

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- -9n 15 g every object has a hidden property called [[Prototype]] (Sometimes referred as-proto-).
- and it is not found , 19 looks for it in object's prototype.
- "> This process continues upto prototype chain until It either finds the property or reaches the end(null).
- i. To share methods & properties among many objects without duplicating code.
- ti. saves memory and keeps code efficient.
- Tit. Forms Backbone of Inheritence in 15.
- 1) Using --proto- (old way):

let computer = 2cpv:123;

console a log (lenevo cpo) = 1112

+ renevo doesn't have cpu + 15 check lenevo -- proto --

@ using object. se tprototype of (modern way):

let generic Car = ?tyres: 4 y;

lct testa = {driver : "Al" }=

object-set Prototypeof (testla, genericles);

-) testa inherits from generic con

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The state of the s

On Structor & - 9+ is a special function used to create and initialize objects. - St is a bluepring for objects. - By convention, constructor function names start with capital letter. - We call them with new Keyword to create objects. Function Person (name, age, 1 ? this name = name = 11 this' refers to new object being this age = age; this_saynello = Function () & consule log ('Hig I'm \$ Ethis name } and I'm \$? this age ? years old . 13; let pl = new Person ("Alex", 20); let p2 = new Person (ee Neha ", 21); pl. saykello(); Il Ht , I'm Alex and I'm 20 years old p2. Sayhello(): 11 Hig Im Neha and I'm 21 years old * constructor with prototape - 9F we put methods inside the constructor, each object gets its own copy + not memory - efficient. Better : put methods on the prototype. ex: Function Person (name, age)? this name = name ; this ago -age; 3

//

11 Shared by all objects

Person-prototype. Say Hello = Function () & console log ('Hi I'm \$? this name] and I'm \$? this age?

years old . '];

थु :

let pl= new Person ("Alex", 20);

let p2 = new Person ("Neha", 21);

pl. SayHello();

* constructor safety check with new, target =

Function Drink (name) ?

throw new Error (" Drink must be called with new Keyword ");

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this name;

let tea = new Drink ("Chair); // /
let coffee = Drink ("Coffee"); // X Error

- •> newstarget is a Special built in reference available inside constructors
- o) gt's undefined of the function is not called with new.