Thebruary 2023 Turunethis Notes (avaScript-class 2 Javascript Basics-2:-Multiple linked variable in Single entity is OBJECT let a = & ?; & empty object Object has a ky; value paix const rectangle = & length: 1; Breadth: 2. Value operator to access properties ef Let rectangle = of propures / diright \$ 2, breadn: 4, (to access) function () & Consoli log!" function Draw") draw: function canalso be

Function Fer object Creation
- factory function two types of creation
Factory Function
1) Function create Pectangle () of (place your object code here) oreturn rectangle; write return out loss
e) function createrheurangle () { object na
write surangle = \$ suran Fixed values
Calling Factory Function :- Let name = createRectangle().
det name = createretangle(); Object Stonedhere Console. log (name).
Console log (name).
to show the function
which prints object.

Sobut parameters for Function. function creatifectangle (lingth, breadth) of return trectangle = 5 dength, breadth, draw () { celg ("drew"); let rectangle Obj1 = creatifictangle (5, 4) Change Constructor Eunction I une fallon pascal Motation.

Camel > numbuObStudents

perseal > FirstWord OfWordAlweys Capital

turnetion Rectangle () of this. length = 2;

current this. breadth = 3;

object this. draw = bunction() of

clg ("draw") * Constructer bunction

Solepines the properties of methods

does not returns Keyword that returns empty object. let rectangleObj = new Rectangle (). alsozere parashetu I here to Function Rectangle (Jun, bre) of Change value. this . breadth = bre, newPertangle (5,6) let recangle Obj

a · draw() this is or so a length will be printed. cag (this. length) Dynamic Nature of Object I) we can add, or sumone property of object. rutangleObj. color = Thiswill add colorperty rictargle delete rectongle Obj. color.

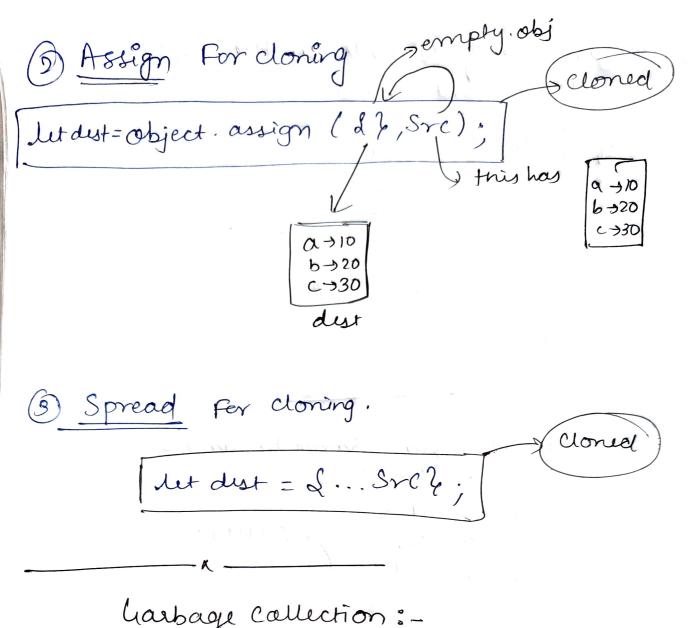
CONSTRUCTOR Function is also an object all object has a constructor Rectangle Junetion constructor of Redungle object is Pectangle Object Rectangle burnetion f Function() { [native code]} this is constructor of pectangle Function. factory f inbuit correction Object constructor f (Rictangle) Function Constructor constructor of this of this Internally Object Plet Rictargle = new function (parameter parameters " entire code! Using backtick

V Functions are Objects as it have properties & entity Diffounce primitive type & Petermer type. primitive let a = 10Let $b = a \rightarrow b$ Let a = 10hur copy is created ~ a++; > print (a) -> 11 3 print (b) -> 10 let a = 2 value: 106, leb b = a ; a · value ++ Consol. dog (a); -> 11 Consale. Log (b); 711 In objects, address is passed So, both will represent the minory location.

NOTE: - primitives are capied by their value repreners are capied by their address.

> a [10 let a = 10 function inc (this is emother a experience. att; copy in inc (a) consale log (a). Copy in primitive let a = {value: 10}; inc (a); // buction call console. log (a) Function inc (9) & most copied here a. value ++; passky in Same address

Iterating through Objects 1) For - in loop 2) Fer-cy loup. for- in loop let rect = f length: 2; breadth: 4, For (det key in rect) of consale log (key, recangle [key]) to access key > doust work in object > iterables maps. for of in Object: (HACK) For (Let key of Object. keys (rect)) of console log (key) Object. entuies (rect)
Object. entuies (volues too) Who can use if else to know the property is present or notif ('length' in rect) of console. log ("Yes") console. log ("No") Object Cloning (Same to same one more) + iteration Je rules, + Assign + Spread 1) iteration. for (det Key in Rectangle) Consale. log (key, Pectangle [key]. let obj 2 = 2 6; we will copy of ky & World value of Rictargle in Obj2 one by one. At prist it will be empty. for (let key in src) of dest [ky]: Src [ky];



Find olt variables / constants
which are not in usi
and automatically diallocates
their value

done by

(larbage collector)

tool in Js

we have no control over harbage
Calleter, runs in Background
itself.