

To coreate and manage these entities, we have two keywoords. "new", "this".

* "this " Reywood

Except one case, this always refers to the calling

"this" keyword vielous to calling /context, from what context on from what vieluence, we are calling the

"thu" keyward actually makes a difference.

Inside avvious function "this" does not viefers to calling the context.

* 'new " keyward.

whenever there is a class, our there is a blue point that we have coreated and with that blue point, good want to actually initialized a broand new instance, that's where we use "new" keyward.

escamble: -

constructor () & 3

Now, the "new" keywood concated a bound new plain javasvipt object and use one calling the constructors. for example:—

const p = new Poioduct(); calling the construction

So this constructor is getting called with wespect to bound new plain javassript object.

so, here calling context is a bound new plain empty

So, if we use 'this' keywoord inside constructor, like

constanction () & -

3

So, what is this going to point to?

new plain empty object.

(" this " will not going to point the name of the class)

example: -

class Product() of

name; Pouce; description;

(We don't need to mention these values I un the class,

plain empty this. pouce = object

constructor (n, p, d) gr Point to the this name = n:

this description = d;

Poly 21 1 Direct Line States The former of the paper of the first of the

const p = new Porocluct (sachin", 10, "I am cool"); console.log(p);

So, this is pointing to the plain empty object. So, was in plain empty object, use are manually creating a plain key-value pain, where 'key' is "name' and 'p' is 'value' whatever we are passing unside them,

Now, constructor is a method like a function and in a function use generally victured something. what if we start victoring something from inside the constructor.

let's suppose use are vieturning "10". example:

construction (n, p, d) of

this name = n;

this prince = p;

this description = d;

viction to; // pointitive \rightarrow no effect

Actually the movement use sectioned "10" nothing will happen. Because, inside a construction if use use the victorined keyword with the primitive, then there is no effect. Because construction is meant to do something with an object.

whereas, instead of victioned "10" if use do our victions a plain object, like

vietuan & 3;

use will get a plain object un the console.

And if use don't oretween anything, it is equal in saying sietuen this.

return this; I If we don't return anything, it is equal in saying oreturn this"

Mote: - In Javascript, a class may have only one constructor.

this name = n;

this poice = p;

this des = d;

This kind of

syntax is called

constructor.

me to the man to the

const P = new Poroduct ("bag", 100, "cool new bag"); console.log(p);

- · Classes are just usuapper over function, whatever use do with classes, use can achieve by using function also.
- * Abstraction:—

 If we fers to the process of hiding the implementation details of an object and only exposing only the essential features to the outside would.
- * Encapsulation:
 It refers to the practice of worapping data and methods into a single unit.

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We can use the '#' symbol to define private vacuables
un a class. Like: -
         class Porson ()
           # name; 11 private variable
           #age; // pouvate variable
           constructor ( name, age ) &
               thu. # name = name;
               this Hage = age;
          getname () & 1/ public method to access pointe variable
             oreturn this, thrame;
         getAge () & // public method to access private variable
            viction this. # age;
     const person = new Person ("John', 30);
     console. Log ( reuson, getname ()); // "John"
    console. dog (peuson. # name); // syntax Ernou:
    Priwate field '#name' must be declared in an enclosing class,
```