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66 2-3' time Watch & Read

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Session - 6 → 14 Aug 2022

Repeat function previous

⇒ how function exactly work?

✱ engine → V8

functional programming - function are the first class citizen

66 Scooty pep - Why should boys all the fun
Function programming → Why should object have all the fun. 99

```
let add = function ()  
{ console.log("in Add");  
}  
add();
```

Note

- Function is not returning our value which will assigned to add but what is happening in this function is it self is getting attached to this add.

⇒ • What is the name of function?
No name, this is called Anonymous function

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⇒ How to call it?
add();

- javascript function are the first class citizens.

meat - All power

```
let add = function(n1, n2)    // calling function
{
    return n1 + n2;
}
```

```
let result = add(8, 9); // calling function
console.log(result);
```

(1) - The circle bracket which means the calling function.

* # arrow function ⇒

```
let add = (n1, n2) ⇒ // arrow function
{
    return n1 + n2;
}
let result = add(8, 9)
console.log(result);
```

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Note. Only one statement remove `{ }`

- Only one statement don't write return keyword.

Optimize

```
let add = (n1, n2) => n1 + n2;  
let result = add(8, 9);
```

Object

Initializing Object

```
let student = new Object();  
student.name = "Sangeer";  
student.qualification = "B.Tech";  
student.age = 23;  
student.rollno = 90;  
student.subjects = ["physics", "chemistry"];  
student.marks = [20, 80];
```

Modify

console.log(student)

student.marks = [90, 95];

→ Again

← Always second

Why?

Overriding, Reassigning, Dynamic initialization

Why create constructor?

because same as hundred people.

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~~Cloud Computing~~

~~cloud computing is all about using a remote server, to store, manage & process data, instead of local server.~~

#this keyword :- Refer to object

function ~~&~~ student (name, age, yop, high-qual-dob)

```
{
    ↑
    this.name = name;
    this.age = age;
    this.yop = yop;
    this.high.qual = high-qual;
    this.dob = dob
}
```

↓
pointer ↓
 attribute ↓
 value

This is constructor

⇓

Constructor

Constructor as object

(Initialization keyword)

comment let a; // A
memory stack

// RAM

1000 - constructor

1001 - object

1002 - this.name

1003 -

// object-type object_name = new const
let student1 = new Student ();
console.log (student1);

undefined value

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```
let student1 = new Student ("Armi", "31", 2022, b.Tech, 1980);  
let student2 = new Student ( X Y  
let student3 = new Student (  
let student4 =  
let student5 =
```

Cmd

⇒ node

```
> let obj = {x:8, y:9, z:0}  
> let obj2 = { }  
> obj2  
>
```

Next

Object-Oriented programming

~~#~~ Session - # prototype

Every function and object has
property named prototype by default

example

checking prototype
console

function Person()

```
{ this.name = 'John',  
  this.age = 23  
}
```

const person = new Person();