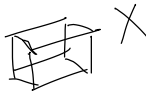


JS



objects ? what is object?

- DataStructure ✓
- Collection of properties

Bohot same
Key-value
pair

what is property?
pair of

Key & value

key-value
key-value

⇒ DS, unlike array ∴ it is
unordered in nature.

ordered
DS → Array →

10	20	30	40
----	----	----	----

jis order mei, usi order mei output.

unordered
DS → Object → Not necessary, jis order
mei input doge, usi order
mei vo store.

① name : Sam
② age : 27
③ isMale : true

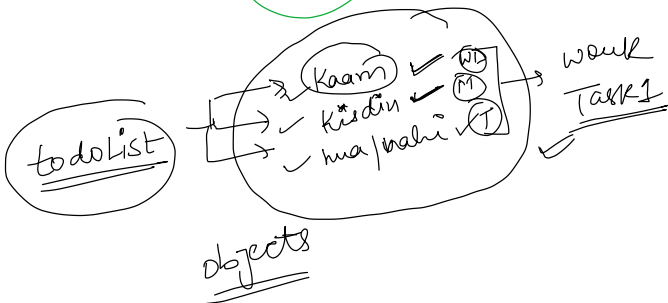
X order

Array → Let arr = [...];

object → Let obj = {
 (K) (V)
 (K) (V)
 (K) (V)
 (K) (V)
};

eg: Let obj = {
 ✓ property 1 → ✓ name : "samanta" ✓
 ✓ property 2 → age : 27 ✓
 ✓ isMale : true ✓
}

value
String
Num
Boolean

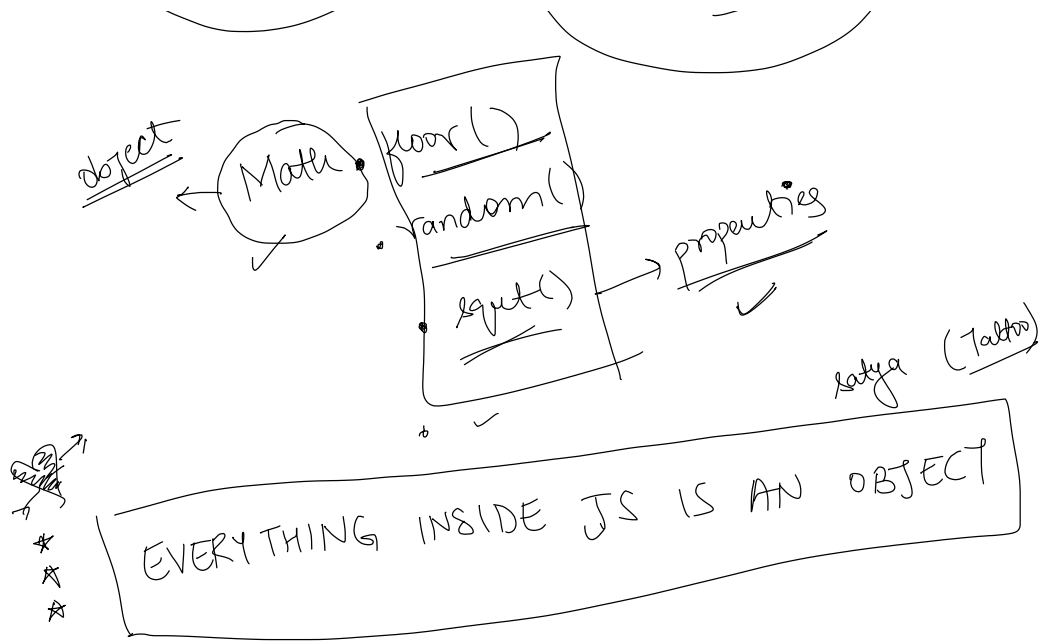


why objects?

Object → access

Dot operator

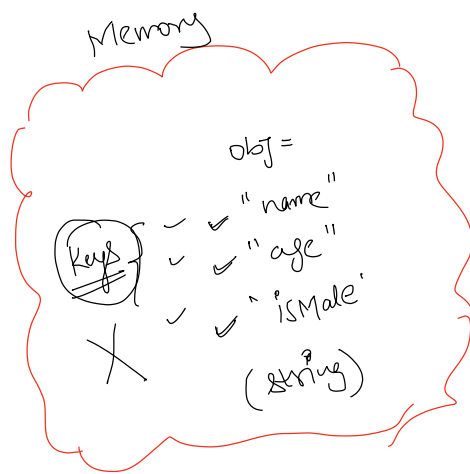
person
name
age
isMale



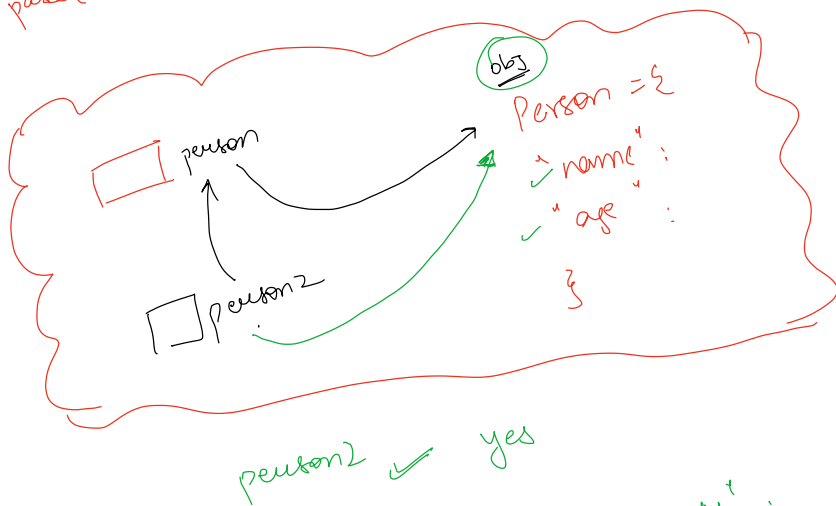
Let arr = [10, 20, 30, 40];
 dg(arr[2]); → 30

Let obj = {
 name: "Labani",
 age: 24,
 isMale: true
 }
 dg(obj[name]); → T

Yes we can



Arrays kya reference? (True) ✓
 Object reference? (True) ✓
 passed



person2.name = "Samaruti";

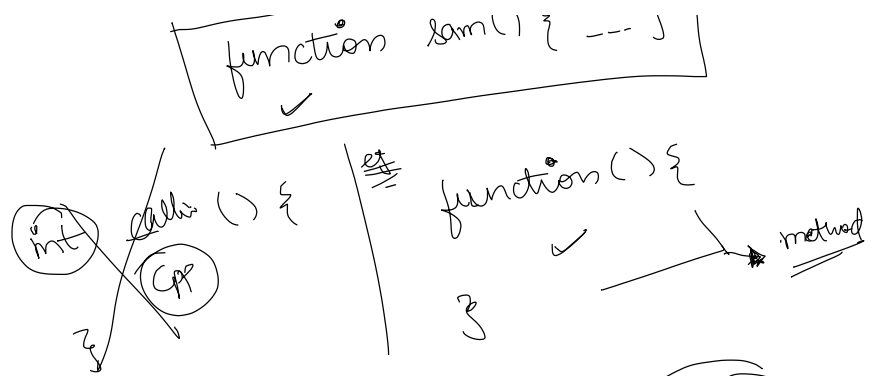
Methods vs function

Math.random()
 obj ↑ method

Object
 (function)
 methods

let person = {
 name: 'Sam',
 age: 21,
 bulao: function() { }
 }
 Hoan (True)

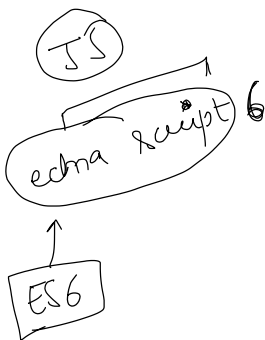
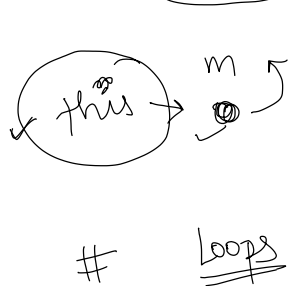
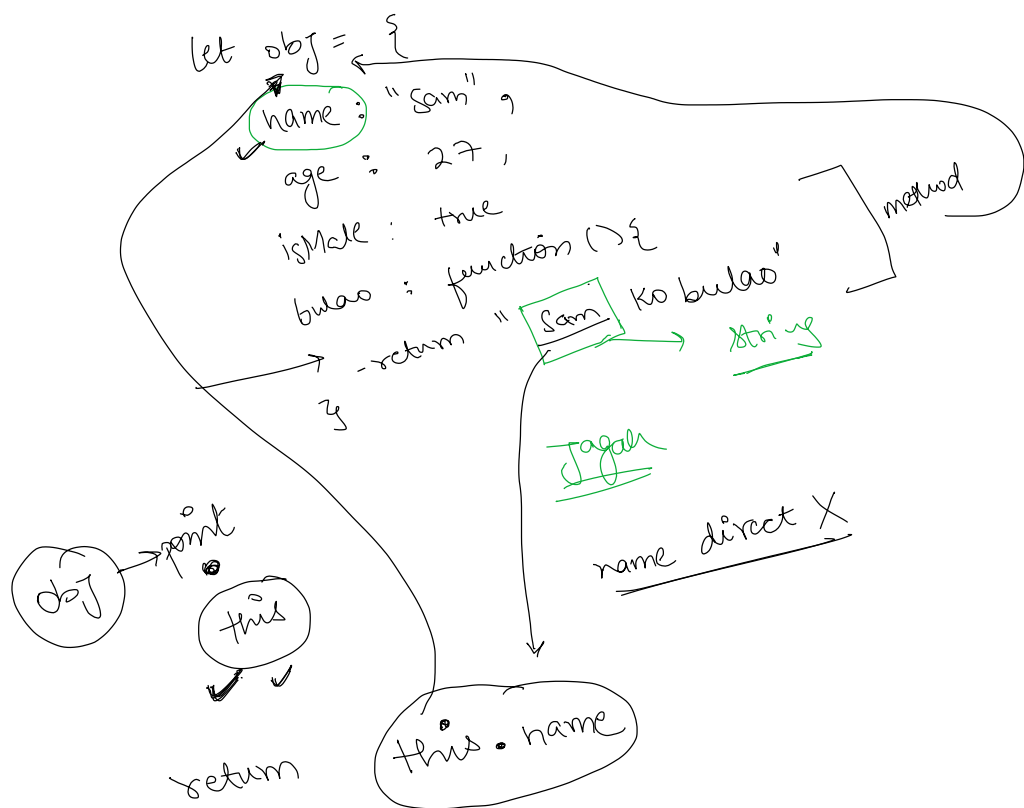
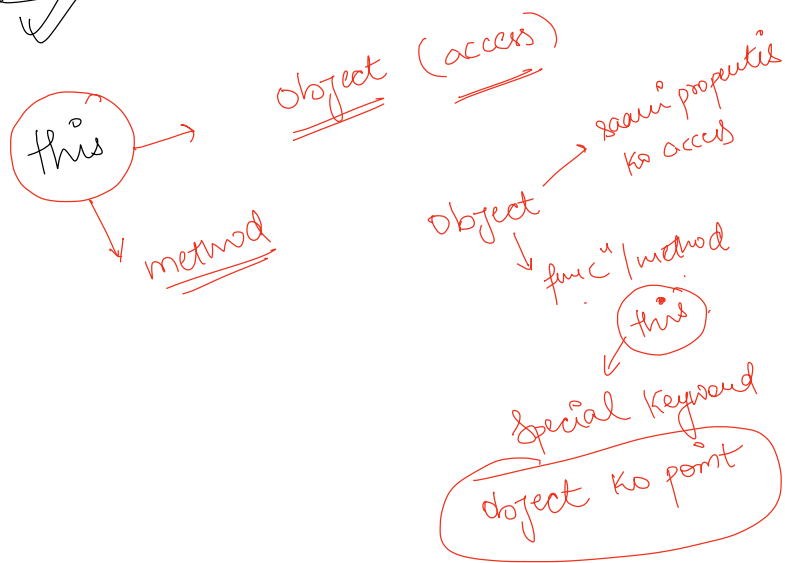
methods



always returns a value?

return

When we do not return anything from our funcⁿ then JS automatically returns undefined.



- ✓ ① for
- ✓ ② while
- ✓ ③ do-while
- ✓ ④ for-in { }

break ;

continue ;

⑤ for - of j

- ✓ break → innermost bahau
- ✓ continue → innermost iteration

9 Nested

i → 0-5
j → 0-5
i == j → break
else value i, j

✓ i → 0-5
j → 0-5 } nested
i == j → break
i, j console

out put

100 90 80 70 - - - - 10 0

everytime
js

for-in

object inside loops
for-in
object

for-of

Iterable from loops for-of
(array, map, list, vector)
for-of ✓