```
* Arrays theory:-

It is a data structure that can store collection of data in a livear contiguous orientation in the wemay.

Elements are accessed using indexes which starts from D & goes to Clength of array -1)

Creating array:-

Illing array literal:-

let are = [1; -> Supty array

let arr 2 = [1, 2.5, true, "parts"]; -> Heterogeneous array
```

arr 2
$$\longrightarrow$$
 1 2.5 true "pauth" indexes \longrightarrow 0 1 2 3

```
et our 1 = new Arroy (); -> Empty array

let our 2 = new Array (3); -> Array with 3 elements whose values one undefined.

Our 2 -> undefined undefined undefined
```

```
* Adding 21 updating values:

Let our = new Arroy (2);

our [0] = "parth";

our [1] = "bhorat";

Adding / updating values

arr [2] = "lily";

course. log (arr); 

["parth", "bhorat", "lily"]
```

* Arrays & strings comparison:

→ Elements of aways & strings can be accessed using indeping.

let able "north":

	cousole tog (arr [o]); -> 1
→ We can update an element of an arrian	
	err [0] = 69;
comole log (str [o]); - "p" co	Land Control of the C
· · · · · · · · · · · · · · · · · · ·	
→ Your, average in journe cuipt are untable (can be modified once created) volumere	
say, vg. the summable Common see summer	
* Annua & shired companion =	
* Arroys & objects comparison:	
-> Arroys are custom objects.	
comole log (typeof []); -> Object	
→ Index of the element is the key & the element is value.	
let arr = ["parts", "jay"]; -> ?	- " W
	parth",
7.	: "jay"
3	
* for - of loop :-	
-> Widely used to sterote over arrays & strings	
let arr = [1,2,3,4];	
for (let element of over) ?	
courole log (clement);	
J	
-> Here, the element variable will	be pointing towards each element
of the alway are one by one.	l U
V t u	
* for - in loop:-	
let aux = [215, 7, 8, 1];	
for (let index in over) ?	
console log (aux [index]); -> 25781	
-> The index variable stores the index of the current element.	
	N

for (let index in aux) {

console log (index); -> 0 1 2 3 4