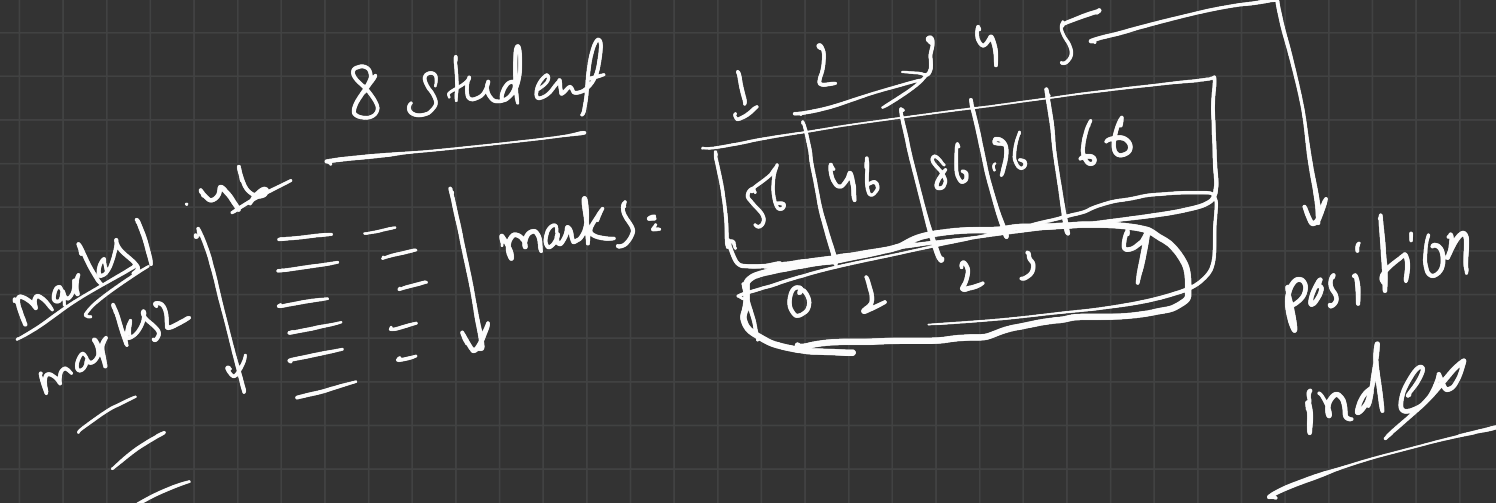


Array?
collection of items
Group of similar items

() \rightarrow a
[] \rightarrow b
{ } \rightarrow c

Object
let student = {
 ↓
 name, cypa, roll, contact, email
}

class - 10th



✓ Let Arrayname = [96, 46, 88, ...,]

✓ Let Array string = ["Raj", "Bharti", ...]

Let Array [96, "Raj", True] X

Array {indices} index

str = "Ankit"
↑ ↑ ↑ ↑
0 1 2 3 4

arr = ["Ankit"]
↑
0

"Raj"
↑
1

"Abc" "SD"
↑ ↑
2 3

mutable



Array

original
change

immutable



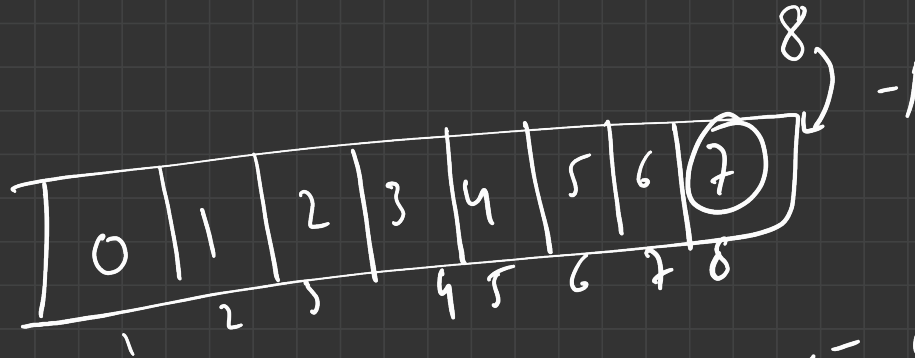
String

no change
new create

Looping in Array

iterables → Array, string, object

```
for ( _ _ _ ) {  
  
}
```



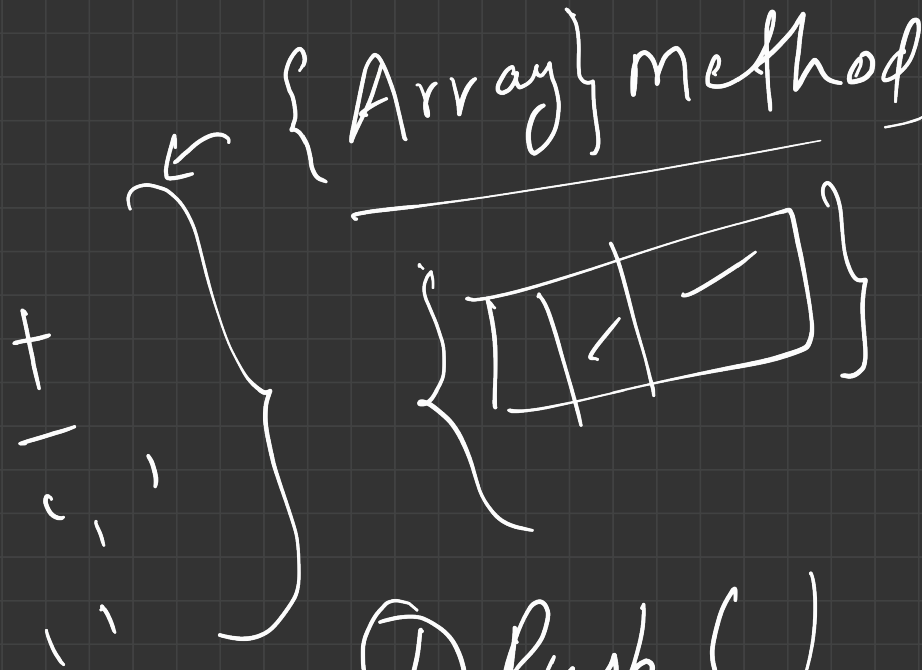
$i = \text{array.length} - 1$

for of ← for of
for in

$$\boxed{10} \rightarrow \begin{cases} 10, 1000, 7000, 500, 800, \\ 0, 980, 790, 1545, 2100 \end{cases}$$

Diagram illustrating the calculation of an average:

- A box labeled "Avg" is connected by an arrow to a box containing "Sum" over "total".
- A box labeled "200" is connected by an arrow to the "total" part of the "Sum" box.



① Push ()

Add end

- ↳ change
- ↳ create new

② pop() → delete End

③ toString() → convert array to String

④ concat() → join multiple array
new array

⑤ Unshift → add start

⑥ Shift → delete start

⑦ Slice →

Slice (start index, end index)

create new

⑧ splice() → original

(Add, delete, replace)

[, "Q",]

splice [2, 3, 66, 88]

0	1	2	3	4	5	6
---	---	---	---	---	---	---

