

Array

→ Data Structure

3	7	8	4
0	1	2	3

index
number

let a = 10; ✓

JS → [1, 'Hi', true];

number boolean

String

C/Java → Same Datatype

[1, 2, 3]

Slice(0, 3)

0 → 2

3 → 2

How many delete

```
data.splice(3,0,'Hello')
```

Start

Add

3 → index

index

→ 1 item delete

```
data.splice(1,1,'Bipin');  
console.log(data);
```

Add

loop

Entry

for
while

Exit

dowhile

$a = [13, 17, 18, 9]$
 $\begin{array}{cccc} & & i & \\ & & \swarrow & \searrow \\ & & \text{min} & \text{max} \\ 0 & 1 & 2 & 3 \\ \hline \text{min} & & & \\ \text{max} & & & \end{array}$
 $S =$
 $k =$

$\begin{array}{l} \text{min} = a[0] \\ \text{max} = a[0] \end{array}$
 for (let $i = 1$; $i < a.length$; $i++$)
 {
 if ($\text{min} > a[i]$) {
 $\text{min} = a[i]$;
 }
 if ($\text{max} < a[i]$) {
 $\text{max} = a[i]$;
 }
 }
 }

count = 0

$n = 3789$

④

$n = 123$

③

10 | 3789

10 | 3781 ————— 9

10 | 37 2

10 | 3 3

0 ④

3791

1

= 9

= 7

= 3

Object

key & value

A diagram illustrating a JavaScript object. The code is shown in a dark-themed editor with the filename 'Obj.js' in the top left. The code is:

```
let student = {  
  id: 1,  
  name: "Bipin",  
  course: "MERN"  
}
```

 Handwritten red annotations identify the components: 'key' points to 'id' and 'name'; 'value' points to '1' and '"Bipin"'; another 'key' points to 'course'; and another 'value' points to '"MERN"'. The closing brace '}' is also underlined.

```
Obj.js  
let student = {  
  id: 1,  
  name: "Bipin",  
  course: "MERN"  
}
```


{
 key
 id: key
 name: 'Ram' → value
 like:
 dislike
 share
 report
}

(10) → Add

- ① Print All Post
- ② Print Post like > 20
- ③ Print Post like < 10
- ④ Remove Post report > 10
- ⑤ Print comment of 1st post