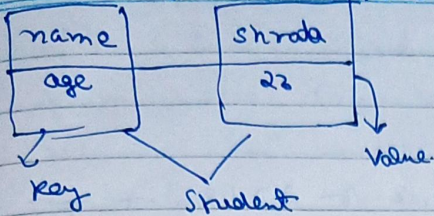


* To do app - list - to show all todos
add - to add a todo, delete, quit.

• JS object literals (As when array store know the clearly like multi)

Store keyed collections & complex entities



→ property \Rightarrow (key, value) pair
→ objects are collection of properties

→ Declaring &

(as when we use let)

```
const a = {
  name: "shradha",
  age: 23,
  marks: 94,
  city: "delhi",
};
```

We can change key value pair but not address as const. is used here.

→ Thread / Twitter Post.

→ Getting values

student["name"] or student.name

→ But if

```
let marks prop = "marks";
a[prop]; // 94
a a = prop; // undefined
a["prop"]; // undefined
```

• Add / Update Value

- Change the city to Mumbai.
- Add new property, gender: "female"
- Change the marks to "A".

• Object of objects

```
const student = {
  name: {
    first: "shradha",
    last: "A",
  },
  age: 28,
};
```

student.age = 28

• Array of object

```
const car1up = {
  name: "Amar",
  roll: 29
}
```

classinfo[0]

classinfo[0].name & amara

• Math Object

• math.PI is 3.14

• math.E is 2.718

• math.abs(n) & $|n|$ if $n=12 \Rightarrow 12$, if $n=-12 \Rightarrow 12$

• math.pow(a, b) a^b

• math.floor(n) & round of

• math.ceil(n) & larger integer value of number.

math.floor(5.5) is 5

math.floor(5.9) is 5

math.floor(-5.5) is -6

(nearest smaller int. value)

math.ceil(5.5) is 6

• math.random() & 0 to 1 any value excluded

* Random integer

from 1 to 10

let step1 = math.random()

let step2 = ~~math.random()~~ step1 * 10

let step3 = math.floor(step2)

let step4 = step3 + 1 (In order to convert range from 0 to 9 to 1 to 10)

OR

math.floor(math.random() * 10); // Random no. b/w 1 to 10

* Functions

(function definition (telling JS))

function with arguments

function funcName() {
 // do something

}
// for calling
funcName()

function printInfo(name, age) {
 console.log('Name is ' + name + ' age is ' + age);

printInfo("Shradha", 23);

printInfo("Karan");

Karan age is undefined