Maps

*Map is a data collection type, in which, data is stored in a form of **pairs**, which contains a **unique key** and **value mapped to that key.** And because of the uniqueness of each stored key, there is **no duplicate** pair stored.

Deliverables

- Understand the difference between objects and maps
- Learn the methods and ways to iterate on maps
- Learn about Weakmaps
- PRACTICE, PRACTICE, PRACTICE

"Maps are a type of object, but objects are not maps"

Any data type (an object, array)	⟵ Key Field ⟶	Only simple data types (integer, string)
Preserved	⟵ Element Order ⟶	Not preserved

Construction

Accessing elements

Adding new element

Getting size

Iterating

When to use one or the other?

Map vs Object

Scenarios where you need to add and remove a lot of data

If element's order is significant during iteration

When storing lots and lots of data (especially if key/value type same)

When we need a simple structure to store data (keys strings or integers)

Need to apply separate logic to property/element

```
var obj = {
    id: 1,
    name: "It's Me!",
    print: function(){
        return `Object Id: ${this.id}, with Name: ${this.name}`;
    }
}
console.log(obj.print());//Object Id: 1, with Name: It's Me.
```