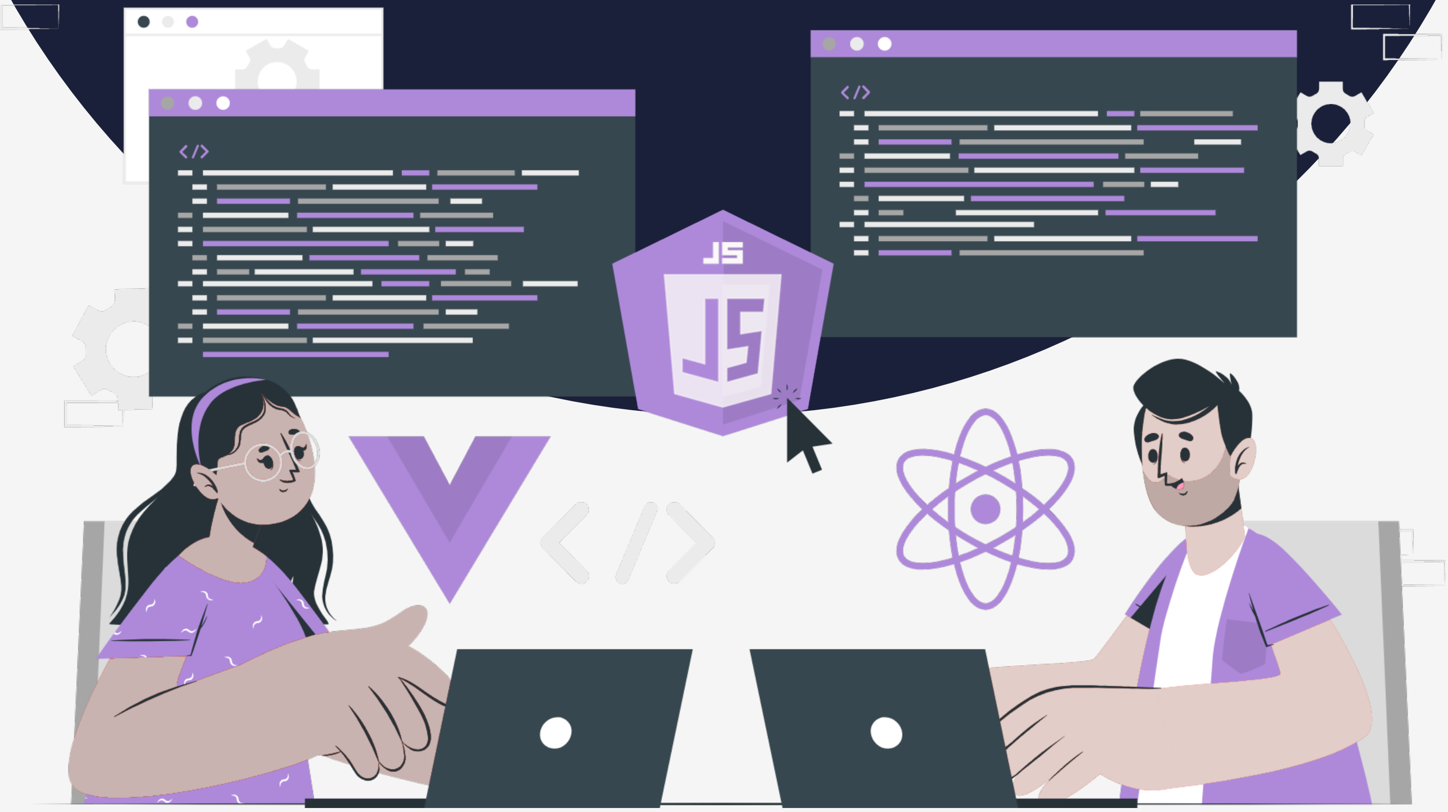
Lesson:

Object methods



PW SKILLS

List of content:

1. Object methods
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Object Methods:

Actions on objects are carried out using methods. An object Property that includes a function declaration is known as an object method.

Types of object methods:

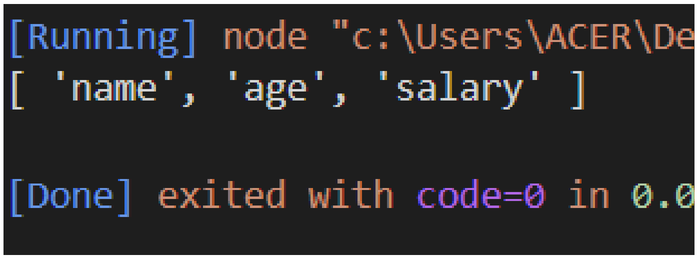
- Object.keys()
- Object.values()
- Object.entries()
- Object.assign()
- Object.freeze()
- Object.seal()

Object.keys():

It is a method that returns an array of an object's own property names.

```
var emp = {
  name: 'Alex',
  age: 27,
  salary:10000
};

var keys = Object.keys(emp);
console.log(keys);
```

Output:



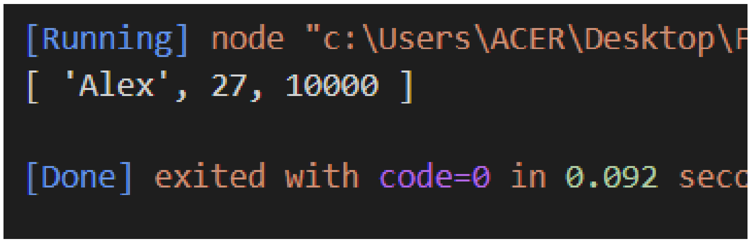
```
[Running] node "c:\Users\ACER\De
[ 'name', 'age', 'salary' ]

[Done] exited with code=0 in 0.0
```

Object.values():

Object.values() is a method that returns an array of an object's own property values.

```
var emp = {
  name: 'Alex',
  age: 27,
  salary:10000
};

var rec = Object.values(emp);
console.log(rec);
```

Output:



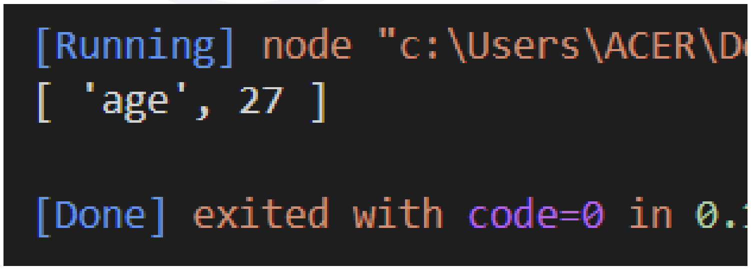
```
[Running] node "c:\Users\ACER\Desktop\F
[ 'Alex', 27, 10000 ]

[Done] exited with code=0 in 0.092 seco
```

Object.entries()

This method is used to return an array of enumerable property [key, value] pairs of the object passed as the parameter.

```
var emp = {
        name: 'Alex',
        age: 27,
        salary:10000
      };
 console.log(Object.entries(emp)[1]);
```

Output:



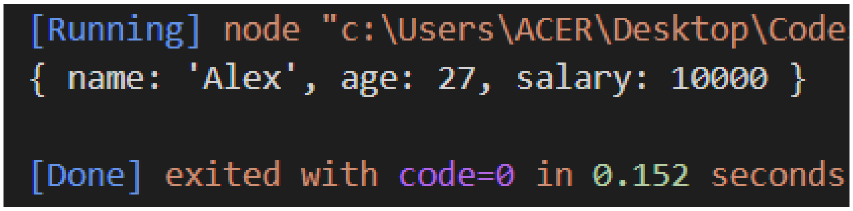
```
[Running] node "c:\Users\ACER\De
[ 'age', 27 ]

[Done] exited with code=0 in 0.
```

Object.assign():

The values and properties of one or more source objects are copied to a destination object using the Object.assign() function.

```
var emp = {
        name: 'Alex',
        age: 27,
        salary:10000
      };
    const emp_obj = Object.assign({},emp)
    console.log(emp_obj);
```

Output:



```
[Running] node "c:\Users\ACER\Desktop\Code
{ name: 'Alex', age: 27, salary: 10000 }

[Done] exited with code=0 in 0.152 seconds
```

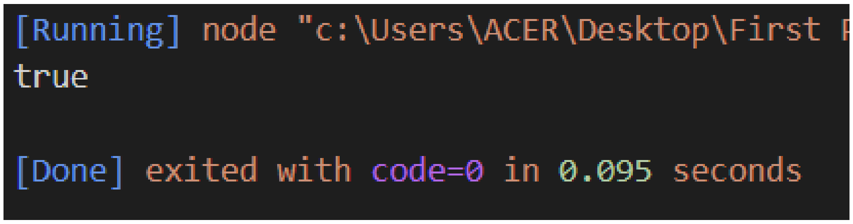
Object.freeze():

An object is frozen using this method.

Changing a frozen object is impossible. It prevents the addition and deletion of properties. Additionally, it prevents changes to property values from occurring unless an object is involved.

```
var emp = {
  name: 'Alex',
  age: 27,
  salary:10000
};

Object.freeze(emp);
console.log(Object.isFrozen(emp));
```

Output:



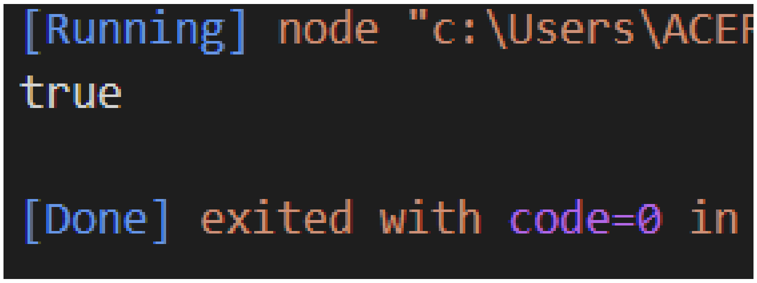
```
[Running] node "c:\Users\ACER\Desktop\First F
true

[Done] exited with code=0 in 0.095 seconds
```

Object.seal():

It is a method identical to Object.freeze(). You cannot add or remove an object's properties, but you can edit the value of an existing property.

```
var emp = {
  name: 'Alex',
  age: 27,
  salary:10000
};

Object.seal(emp);
console.log(Object.isSealed(emp));
```

Output:



```
[Running] node "c:\Users\ACER
true

[Done] exited with code=0 in
```