

1. Update a Property of an Object

```
let object = {  
  'myName' : {  
    'FirstName' : 'Name',  
    'SecondName' : 'Surname'  
  },  
  'myAge' : 1043  
}
```

```
// Updates myAge to 2043  
object.myAge = 2043
```

2. Turn an Object's Keys into an Array

```
let object = {  
  'myName' : 'Name',  
  'myAge' : 1043  
}
```

```
// Returns [ 'myName', 'myAge' ];  
let keys = Object.keys(object);
```

3. Turn an Object's Values into an Array

```
let object = {  
  'myName' : 'Name',  
  'myAge' : 1043  
}
```

```
// Returns [ 'Name', 1043 ];  
let keys = Object.values(object);
```

4. Turn Array or Map sets into an Object

```
let arrSets = [ ['myName', 'Name'], ['myAge', 1043] ]

/* Returns {
  'myName' : 'Name',
  'myAge' : 1043
} */
object.myAge = 2043
```

5. Shallow Clone an Object

```
let object = {
  'myName' : 'Name',
  'myAge' : 1043
}

// Creates a copy of object, which we can edit separately
let newObject = Object.assign(object);

// Creates a copy of object, which we can edit separately
let anotherClone = (...object);
```

6. Deep Clone an Object with only variables

```
let object = {  
  'myName' : {  
    'FirstName' : 'Name',  
    'SecondName' : 'Surname'  
  },  
  'myAge' : 1043  
}
```

```
// Creates a copy of object, which we can edit separately  
let newObject = JSON.parse(JSON.stringify(object));  
newObject.myName.FirstName = 'Hello';  
console.log(newObject, object);
```

```
/*  
Returns {  
  myAge: 1043,  
  myName: {  
    FirstName: "Hello",  
    SecondName: "Surname"  
  }, {  
    myAge: 1043,  
    myName: {  
      FirstName: "Name",  
      SecondName: "Surname"  
    }  
  } */
```

7. Merge two objects into the original variable

```
let object = { 'myName' : 'Name', }  
let objectTwo = { 'myAge' : 1043, }  
Object.assign(object, objectTwo);  
  
console.log(object);  
/* Returns {  
  myAge: 1043,  
  myName: "Name"  
}, {  
  myAge: 1043  
} */
```

8. Merge two objects into a new variable

```
let object = { 'myName' : 'Name', }  
let objectTwo = { 'myAge' : 1043, }  
  
let newObject = {...object, ...objectTwo};  
  
console.log(object, newObject);  
/* Returns {  
  myName: "Name"  
}, {  
  myName: "Name",  
  myAge: 1043  
} */
```


9. Prevent new items being added to an object, but allow previous items to be changed

```
let object = {  
  'myName' : {  
    'FirstName' : 'Name',  
    'SecondName' : 'Surname'  
  },  
  'myAge' : 1043  
}  
  
Object.preventExtensions(object);  
  
// Throws a TypeError  
object.myLocation = '123 Fake Street';
```

10. Prevent any changes to an object

```
let object = {  
  'myName' : {  
    'FirstName' : 'Name',  
    'SecondName' : 'Surname'  
  },  
  'myAge' : 1043  
}  
  
Object.freeze(object);  
  
// Throws a TypeError  
object.myLocation = '123 Fake Street';  
  
// Throws a TypeError  
object.myAge = 2043;
```

11. Turn Object into a String

```
let object = {
  'myName' : {
    'FirstName' : 'Name',
    'SecondName' : 'Surname'
  },
  'myAge' : 1043
}

// Returns {"myName":
{"FirstName":"Name","SecondName":"Surname"},"myAge":1043}

console.log(JSON.stringify(object));
```

12. Turn String into an Object

```
let stringObject = '{"myName":
{"FirstName":"Name","SecondName":"Surname"},"myAge":10
43}';

/* Returns {
  'myName' : {
    'FirstName' : 'Name',
    'SecondName' : 'Surname'
  },
  'myAge' : 1043
} */

console.log(JSON.stringify(object));
```

13. Check if Object has a property

```
let object = {
  'myName' : {
    'FirstName' : 'Name',
    'SecondName' : 'Surname'
  },
  'myAge' : 1043
}

// Returns true
console.log(JSON.hasOwnProperty('myName'));
```

14. Make a Property of an Object Unwritable so you can't change it

```
let object = {
  'myName' : {
    'FirstName' : 'Name',
    'SecondName' : 'Surname'
  },
  'myAge' : 1043
}

Object.defineProperty(object, 'myAge', {
  writable: false,
});

// object.myAge remains 1043
object.myAge = 2043;
```

15. Ignore certain properties when using a for loop

```
let object = {
  'myName' : {
    'FirstName' : 'Name',
    'SecondName' : 'Surname'
  },
  'myAge' : 1043
}

Object.defineProperty(object, 'myAge', {
  enumerable: false,
});

// Returns only 'myAge'
Object.keys(object).forEach(function(item) {
  console.log(item);
});
```

16. Convert Object to Array sets

```
let object = {
  'myName' : 'Name',
  'myAge' : 1043
}

// Returns [ [ 'myName', 'Name' ], [ 'myAge', 1043 ] ];
let entries = Object.entries(object);
```