

# Associative Arrays (aka Hashtables or Dictionaries)

```
const myDict = new Object();  
myDict["first"] = "JavaScript";  
myDict["second"] = "is";  
myDict["third"] = "fun";
```

Or

```
const myDict = {};  
myDict.first = "JavaScript";  
myDict.second = "is";  
myDict.third = "fun";
```

Or

```
const myDict = {first: "Javascript",  
                 second: "is",  
                 third: "fun"}
```

# Iterate through associative arrays

```
const person = {  
  fname: "Alice",  
  lname: "Alicson",  
  age: 30  
};
```

```
for (let k in person) {...}
```

```
for (let k of Object.keys(person)) {...}
```

```
for (let v of Object.values(person)) {...}
```

```
for (const [k, v] of Object.entries(person)) {...}
```