

SWE 4637

JSON Basics

JavaScript Object Notation

- * Primitive data types only contain one value in each variable.
- * Object is a non-primitive data type.

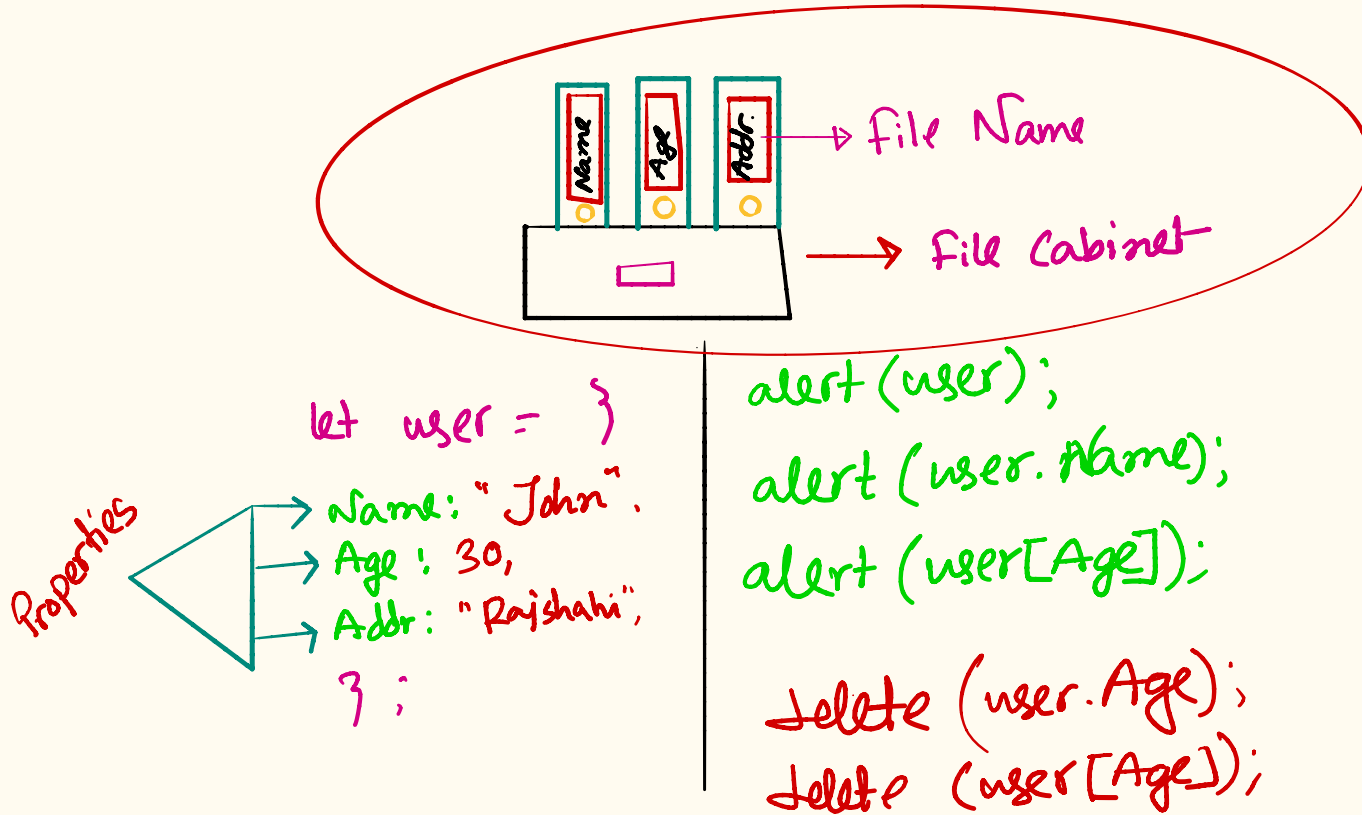
⇒ object is basically **key-value** pair.

↓
string

↓
Any other data type,
also another object.

⇒ It can be created
with "{}". Example -

- ✓ `let user = new Object();` → object constructor
- ✓ `let user = {};`



Multiword property Names

```
let user = {  
  Name: 'Sakib',  
  "Is Admin": true,  
}
```

~~alert(user.Is Admin);~~

alert(user["Is Admin"]);

Reserved words like, for, let can be prop names.

```
let user = { for: 40 }; | alert(user.for);
```

```
let user = {};  
let prop-name = "name";  
user[prop-name] = "Sakib";
```

```
user.name = "Sakib";
```

```
let user = { name: "Sakib",  
             age: 30, };
```

Property Value Shorthand

```
function make-user(name, age)  
{  
  return {  
    name,  
    age  
  };  
}
```

```
function make-user(name, age)  
{  
  return {  
    name: name,  
    age: age  
  };  
}
```

```
let user = make-user("Sakib", 30);
```

How to check if an object has a particular property or not!

```
let user = { name: "Sakib",  
             age: 20,  
             };
```

let chk = user["addr"] === undefined;

True
X

False
✓

let chk = "addr" in user;

True
✓

False
X

for ... in ... object

```
for (let key in user)
{
    alert (key);
    alert (user[key]);
}
```

user.name