



Computed Property Names

ES2015 (ES6)



Firstly, what is a property name?

When you create an object in JS, you specify a variable name and a value.

For example:

```
var object = {  
  first_name: "Ashley";  
}
```

“first_name” is our property name. It is the property name given to the string “Ashley”.

So if you typed `console.log(object.first_name);` the output would be “Ashley”.



What is a *computed* property name?

A computed property name let's us do *expressions* as our property names.

An expression is something like:

- `2 + 2`
- `("Ashley" + "Burnett")`
- `"word".toUpperCase();`

So in the previous example, `first_name` was our property name. With computed property names, we could do `((1998+19)+"_first_name")` and the javascript would do the computation and our property name would become `2017_first_name`.



Simple example

computation →

```
var object = {  
  (1+1) : "Result of 1+1";  
}
```

Output of object would be:

Computed
property
name after
code is run →

```
object {  
  2: "Result of 1+1";  
}
```



Another example

```
function getName() {  
  return "Ashley";  
}
```

computation

```
var object {  
  getName(): "ES6 Beginner";  
}
```



```
object {  
  Ashley: "ES6 Beginner";  
}
```

Computed
property
name after
code is run