

# Lesson:

# Property Shorthand Syntax in JavaScript



# Topics to be covered

1. What is Property Shorthand?
2. Basic Usage
3. Why Use Property Shorthand?
4. Conclusion

Property shorthand syntax is a handy way to create objects more easily in JavaScript. Let's learn how it works with simple examples.

## What is Property Shorthand?

In JavaScript, objects are like containers holding data. Property shorthand lets you make objects using variable names directly. It's like a shortcut.

## Basic Usage

Normally, making an object looks like this:

```
1  const name = 'Alice';
2  const age = 30;
3
4  const person = {
5    name: name,
6    age: age
7  };
8
9  console.log(person); // { name: 'Alice', age: 30 }
```

With shorthand, it's simpler:

```
1  const name = 'Alice';
2  const age = 30;
3
4  const person = {
5    name,
6    age
7  };
8
9  console.log(person); // { name: 'Alice', age: 30 }
```

# Why Use Property Shorthand?

1. **Cleaner Code:** It makes your code shorter and easier to read.
2. **Efficiency:** It's faster to write, especially for lots of properties.
3. **Easy Changes:** If you rename a variable, the object updates automatically.

## Example

### Creating Objects

You can also create objects more quickly:

```
1  const title = 'JavaScript';
2  const level = 'Beginner';
3
4  const course = {
5    title,
6    level
7  };
```