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JS

▼ What does const mean?

it does not mean that the variable is a constant, it just means that you cannot re-assign it

e.g. given an object: the variable is always an object, but its content (properties) can change

▼ With const you can update...

the property value of an object

▼ What is dot notation?

To read or update the value of a property, you can use the dot notation.

e.g. user.age

▼ What is an object?

a data type that allows you to group several variables together into one variable that contains keys and values.

▼ What is a parameter?

a variable in a function definition

▼ What are arguments?

When a function is called, the arguments are the data you pass into the method's parameters.

▼ What happens when you call a function without providing a value for an expected argument?

it will default to undefined

▼ What are two benefits of arrow functions?

- It uses lexical scope

- It can benefit from implicit return

▼ What is arrow function syntax?

Arrow functions always start with the parameters, followed by the arrow ⇒ and then the function body.

▼ What does arrow function syntax look like?

```
const sum = (a, b) => {
    return a + b;
}

// one line example
const tripleIt = value => value * 3;
```

▼ How to write a function by defining a function and giving it a name?

```
function sum(a, b) {
    return a + b;
}
```

▼ How to write a function by defining a variable and assigning it to an anonymous function?

```
const sum = function(a, b) {
    return a + b;
}
```

▼ How to write the Array forEach() with arrow function?

```
grades.forEach(grade => {
    console.log(grade);
});
```

▼ How to write the Array filter() with arrow function?

```
let numbersAboveTen = numbers.filter((number) => {
    return number >= 10;
});
```

▼ What is a callback function?

a "call-after" function, is any executable code that is passed as an argument
to other code

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