Arrow Function

✓ **Function** declaration

✓ **Function** is a **type** and act like a **variable**

✓ **Anonymous Function** with function expression

✓ **Arrow Function** is **LIKE** a **short version** of **anonymouse function**

Note

➢ Can **skip "()"** when there is only **one argument**

```javascript
const saySomething = (name) => console.log("Hello " + name);
```

⬇

```javascript
const saySomething = name => console.log("Hello " + name);
```

**But,
please use it!**

➢ **If there is no arguments**

```javascript
const helloToEveryone = () => console.log("Hello everyone");
```

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Note

➤ Can **skip {}** when function only **one return** or **one statement**.

```
const log = (a) => {
    console.log(a);
}
```

```
const average = (a,b) =>
{
    return (a + b) / 2;
}
```

```
const log = (a) => console.log(a);
```

```
const average = (a,b) => (a + b) / 2;
```

Note

> ➢ **When return only literal object, need add ()**

```
const createObject = (t, a) => { title: t, age: a };
//! Error: It though it is a function body instead of object
```

```
const createObject = (t, a) => ( { title: t, age: a } );
//! Ok
```

Note

➢ Cannot line break between **") =>"**

```
//ok
const arrowFunction = () =>
{
    console.log("Hello");
};
```

```
//ok
const arrowFunction = (a,
    b) => {
    console.log("Hello");
};
```

```
//! ERROR
const arrowFunction = ()
=> {
    console.log("Hello");
};
```
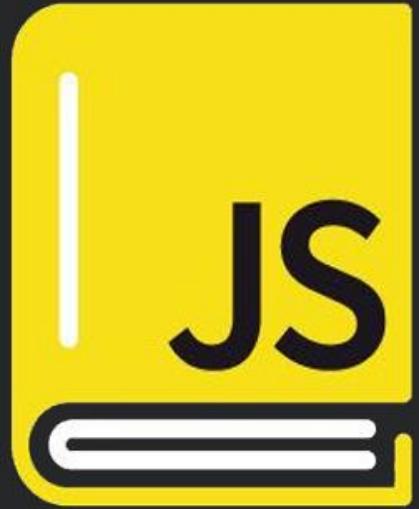
```
//ok
const arrowFunction =
() => {
    console.log("Hello");
};
```

Refs

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Functions/Arrow_functions

https://www.w3schools.com/js/js_arrow_function.asp

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