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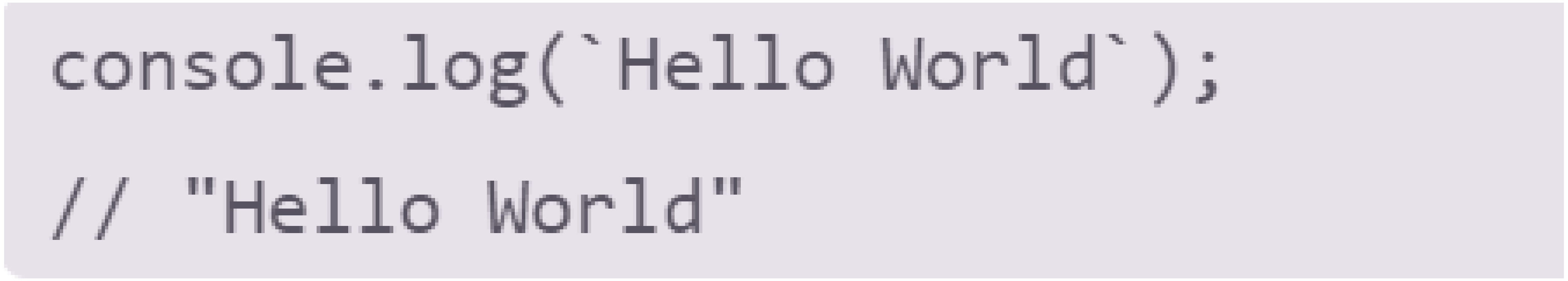
JavaScript

`${...}`

Topics to be Covered:

- Template Literals
- Function, Declaration and Expression
- Ternary Operator
- Arrow Function
- Events and Event handling



```
console.log(`Hello World`);

// "Hello World"
```

JavaScript : Template Literals

- **Template Literals** use back-ticks (``) rather than the quotes ("") to define a string.
- You can use multi-line strings and string interpolation features with them

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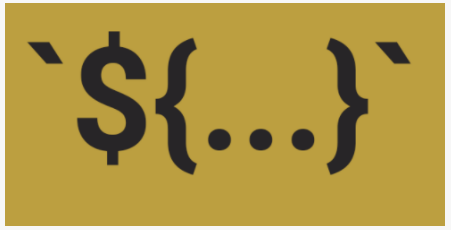
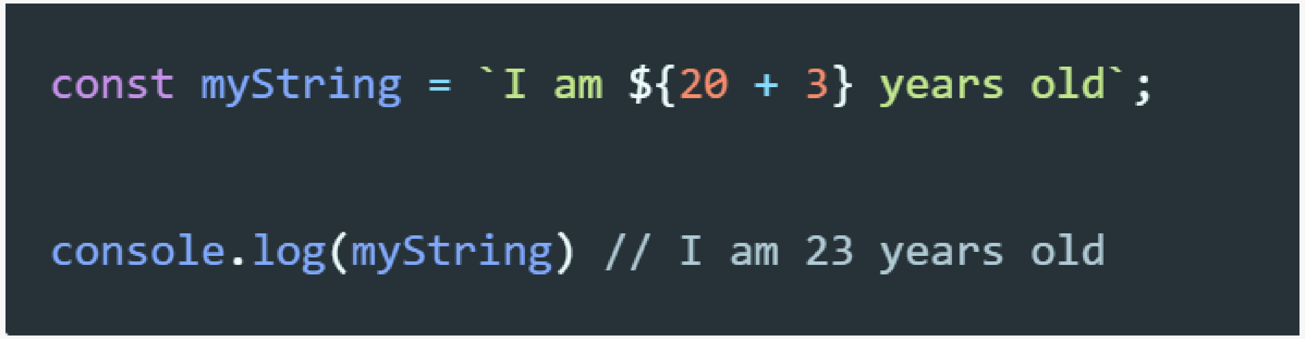
JavaScript : Template Literals

- **String Interpolation:-**Template literals provide an easy way to interpolate variables and expressions into strings. The method is called string interpolation.

The syntax is:



```
`${...}`
```

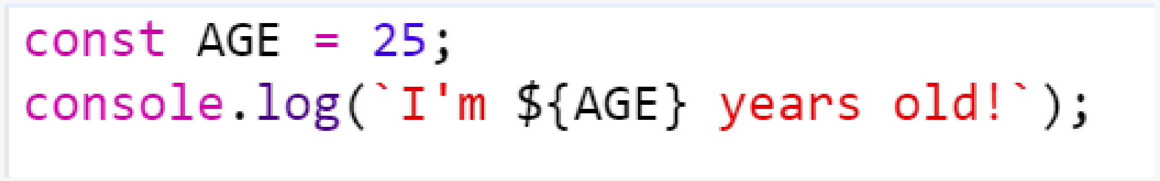


```
const myString = `I am ${20 + 3} years old`;

console.log(myString) // I am 23 years old
```

JavaScript : Template Literals

In JavaScript, the template literals (also template string) wrapped in backticks **(`)** that supports the string interpolation and ${expression} as placeholder perform the string interpolation like this:

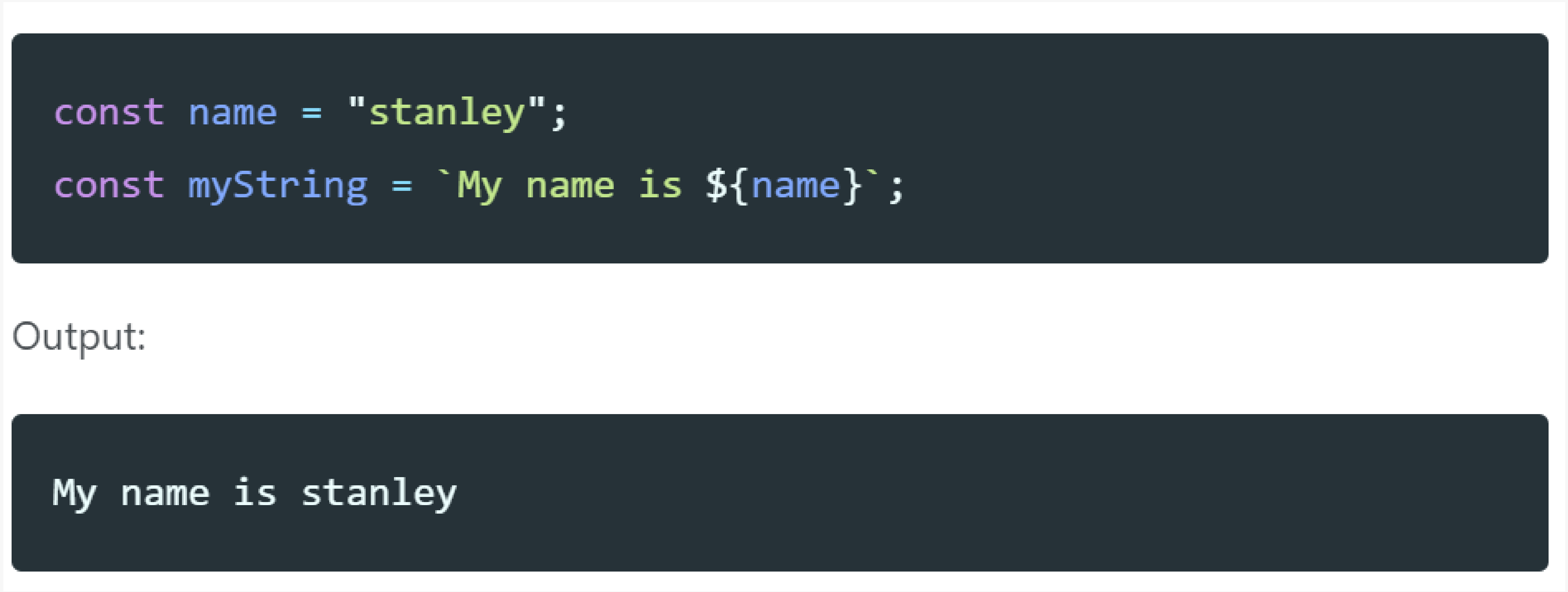


```
const AGE = 25;
console.log(`I'm ${AGE} years old!`);
```

The placeholder has the following format: ${expressionToEvaluate}. The expression inside the placeholder can be:

- **variables:** ${myVar}
- **operators:** ${n1 + n2}
- **even function calls** ${myFunc('argument')}

JavaScript : Template Literals



```javascript
const name = "stanley";
const myString = `My name is ${name}`;
```

Output:

```
My name is stanley
```

JavaScript : Template Literals

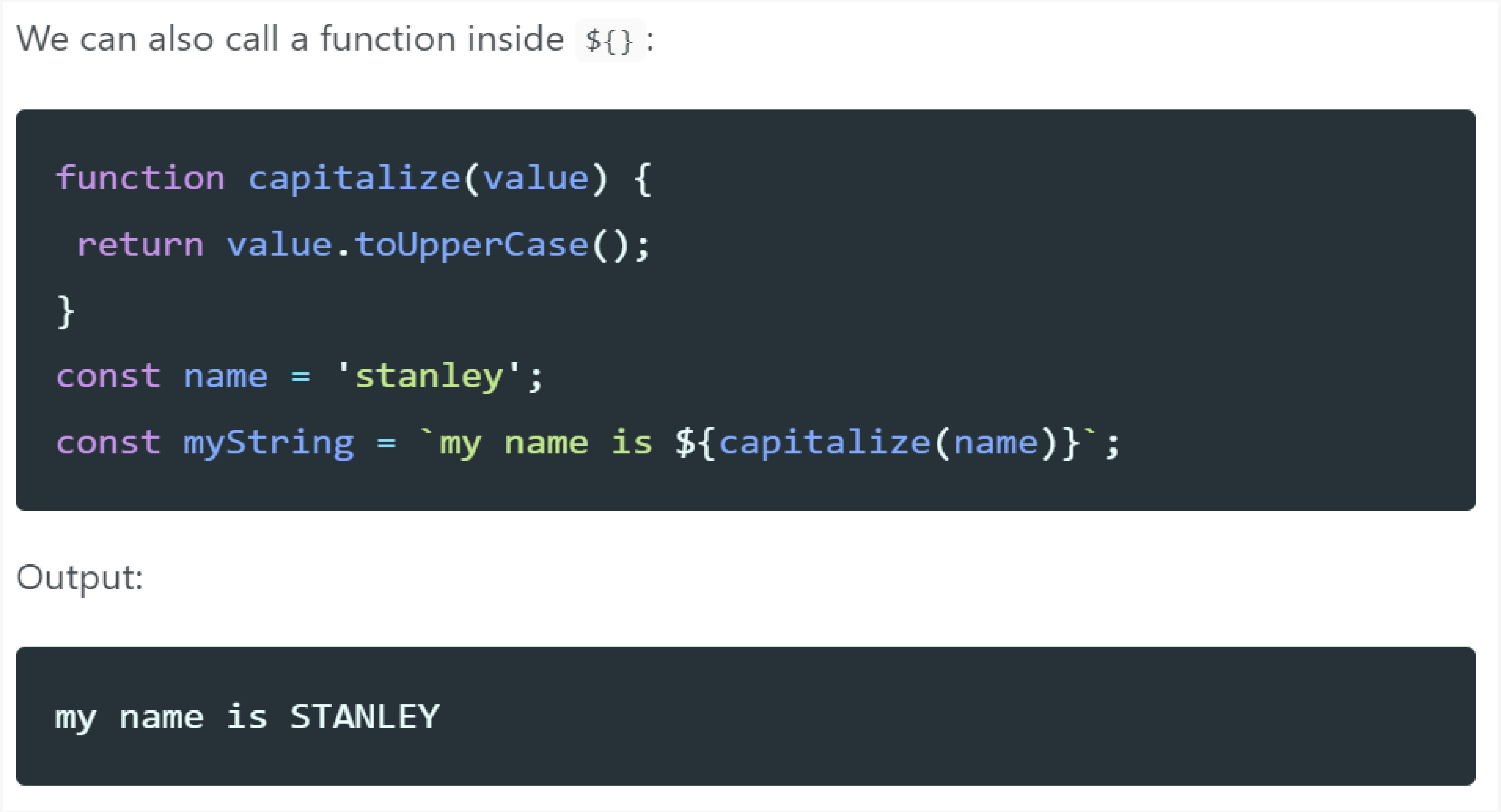
```
const myString = `I am ${20 + 3} years old`;

console.log(myString) // I am 23 years old
```

```
const num1 = 20;
const num2 = 3;
const myString = `I am ${num1 + num2} years old`;

console.log(myString) // I am 23 years old
```

JavaScript : Template Literals



We can also call a function inside `${}`:

```
function capitalize(value) {
 return value.toUpperCase();
}
const name = 'stanley';
const myString = `my name is ${capitalize(name)}`;
```

Output:

```
my name is STANLEY
```

Thank you