Constants
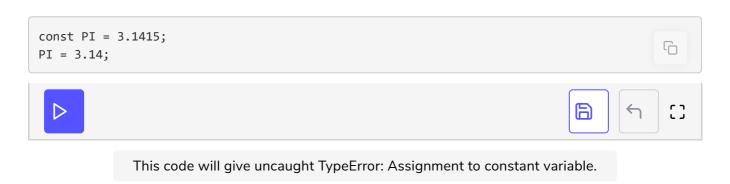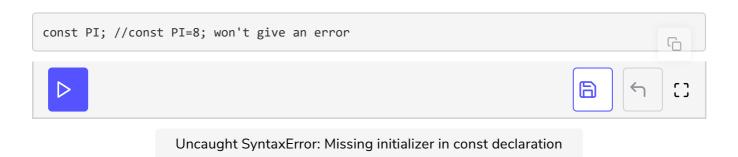
introduction to Javascript constants; potential errors, such as the temporal dead zone

Declarations with `const` are block scoped, they have to be initialized, and their value cannot be changed after initialization.

```
const PI = 3.1415;
PI = 3.14;
```

This code will give uncaught TypeError: Assignment to constant variable.

Not initializing a constant also throws an error:

```
const PI; //const PI=8; won't give an error
```

Uncaught SyntaxError: Missing initializer in const declaration

Const may also have a *temporal dead zone.*

```
// temporal dead zone of PI
//PI cannot be accessed here
const PI = 3.1415;
// PI is 3.1415 and its value is final
//PI can be accessed here
```

Redeclaring another variable with the same name in the same scope will throw an error.

In the next lesson, let's discuss the use cases of `var` , `let` and `const` formally.