REACT

HOOKS & PROPS

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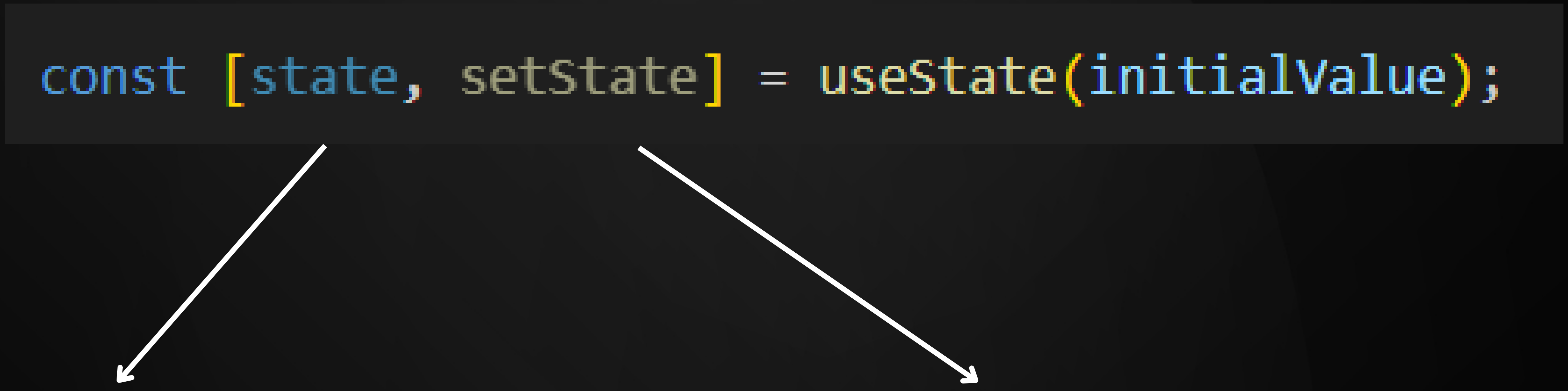
Que sont les Hooks ?

useState()



```
const [state, setState] = useState(initialValue);
```

Variable d'état

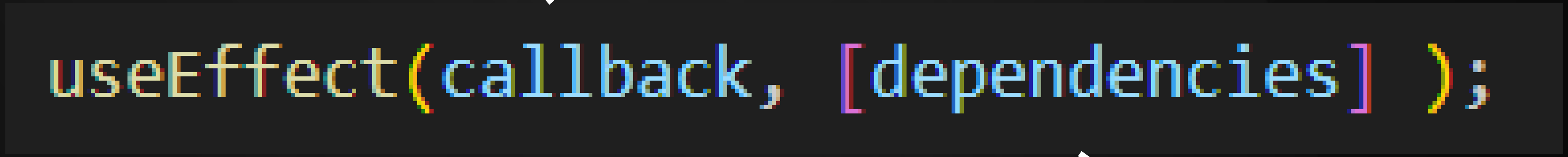
Fonction mise à jour

useState()

- useState(2)
- useState(“name”)
- useState(false)
- useState([ ])
- useState (() => { })
- useState({ })

useEffect()

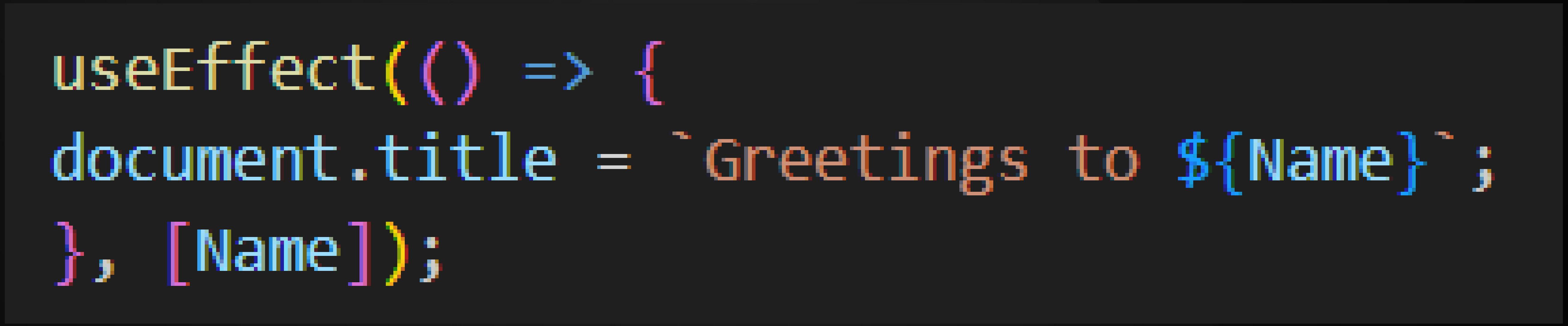
Logique "Side effect"



```
useEffect(callback, [dependencies] );
```

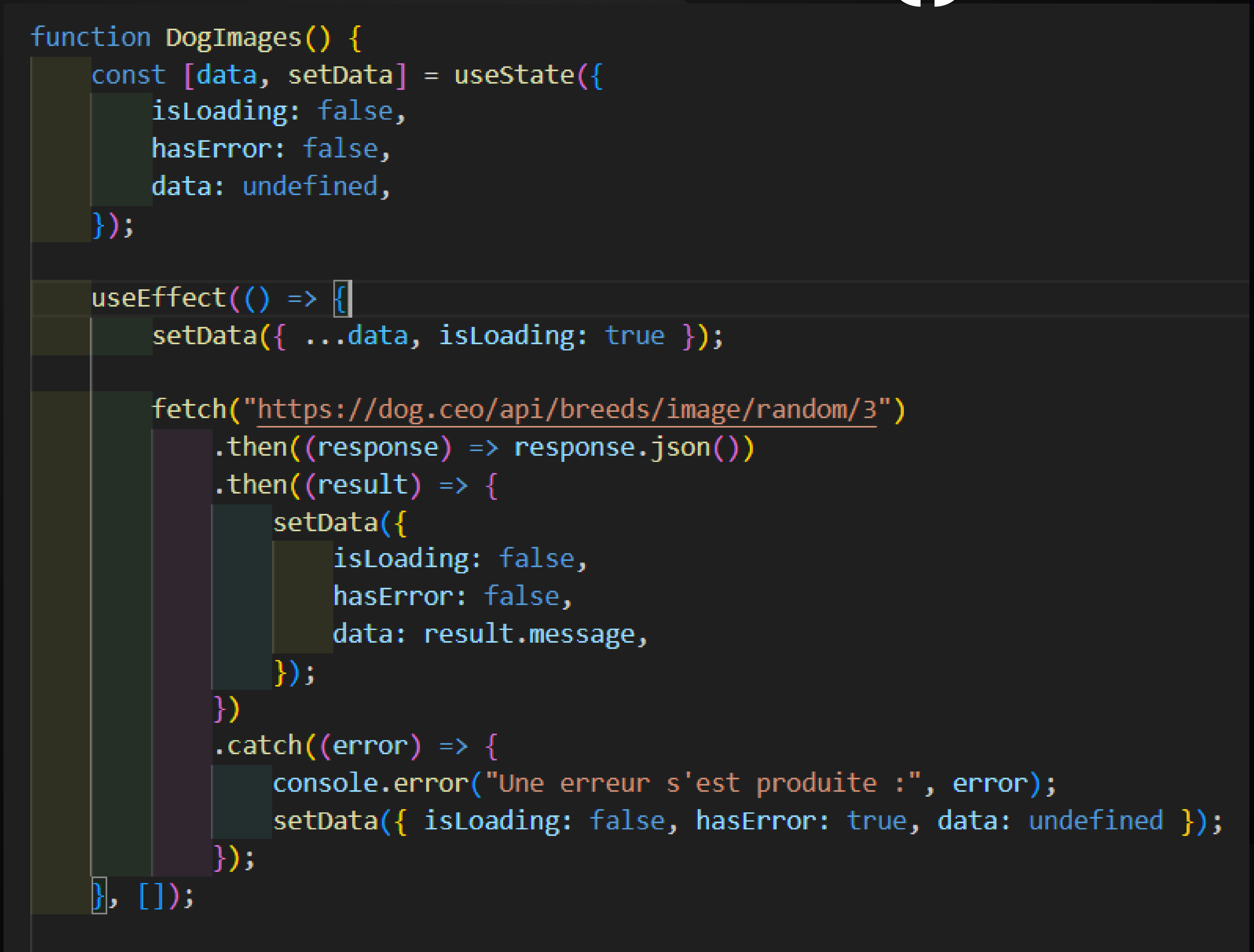
Contrôle du callback

useEffect()



```
useEffect(() => {
document.title = `Greetings to ${Name}`;
}, [Name]);
```

useEffect()

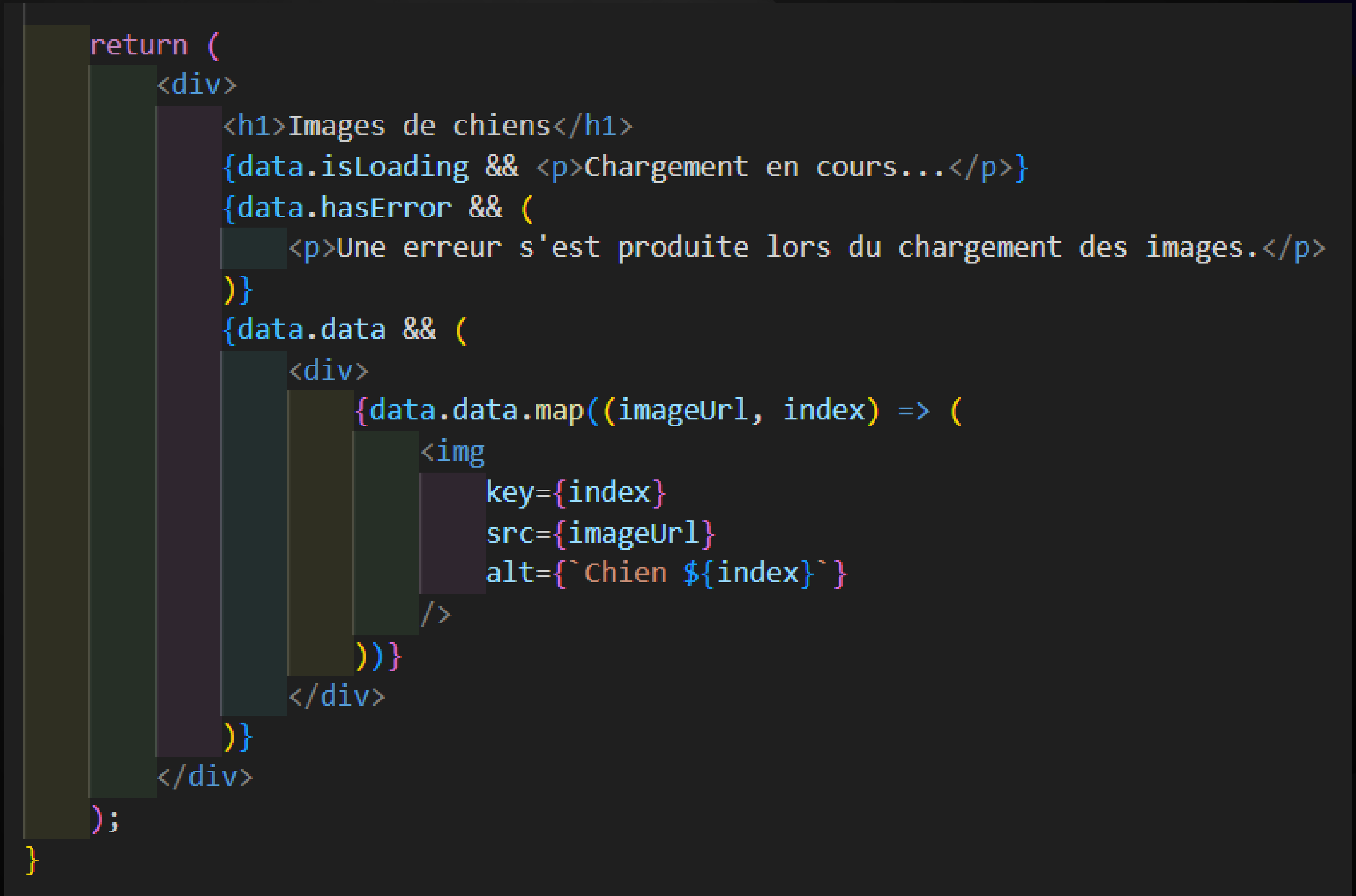


```
function DogImages() {
    const [data, setData] = useState({
        isLoading: false,
        hasError: false,
        data: undefined,
    });

    useEffect(() => {
        setData({ ...data, isLoading: true });

        fetch("https://dog.ceo/api/breeds/image/random/3")
            .then((response) => response.json())
            .then((result) => {
                setData({
                    isLoading: false,
                    hasError: false,
                    data: result.message,
                });
            })
            .catch((error) => {
                console.error("Une erreur s'est produite :", error);
                setData({ isLoading: false, hasError: true, data: undefined });
            });
    }, []);
```

useEffect()



```
    return (
        <div>
            <h1>Images de chiens</h1>
            {data.isLoading && <p>Chargement en cours...</p>}
            {data.hasError && (
                <p>Une erreur s'est produite lors du chargement des images.</p>
            )}
            {data.data && (
                <div>
                    {data.data.map((imageUrl, index) => (
                        <img
                            key={index}
                            src={imageUrl}
                            alt={`Chien ${index}`}
                        />
                    ))}
                </div>
            )}
        </div>
    );
}
```

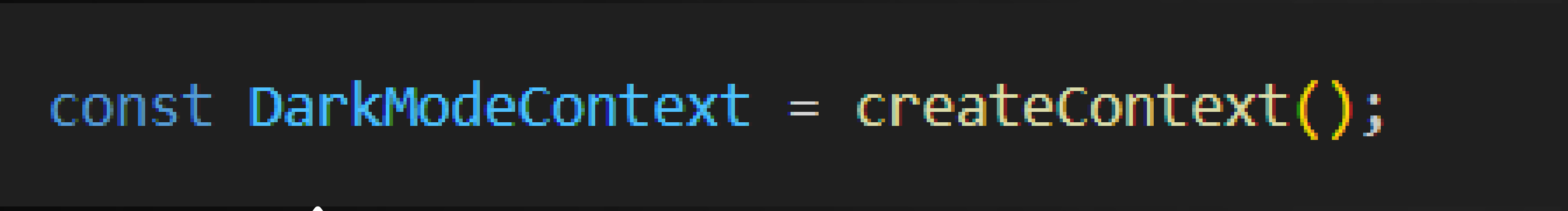
React Context

Transmettre les données

↓

Composants

React Context

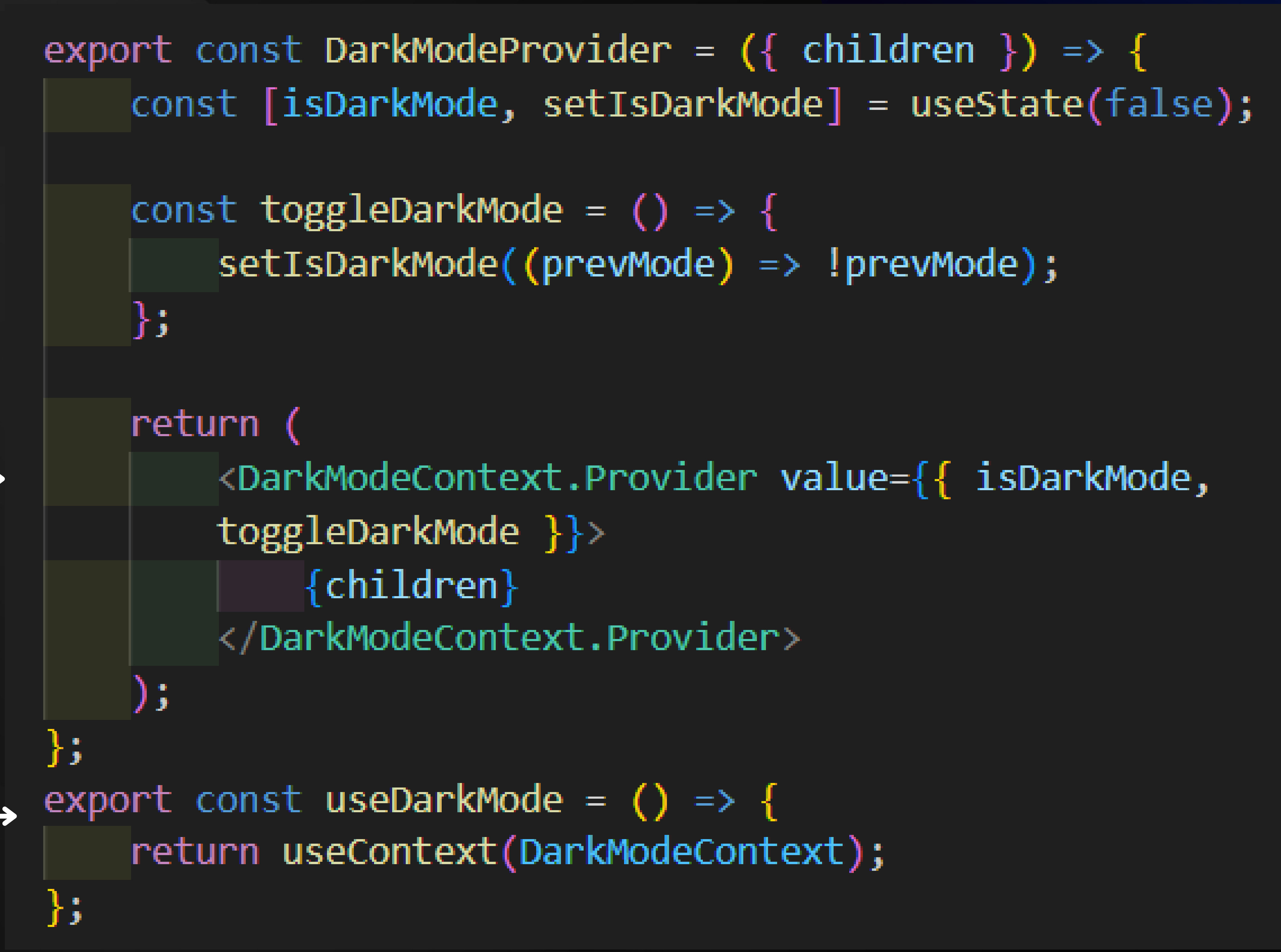


```
const DarkModeContext = createContext();
```

Création

Attribution

Accès

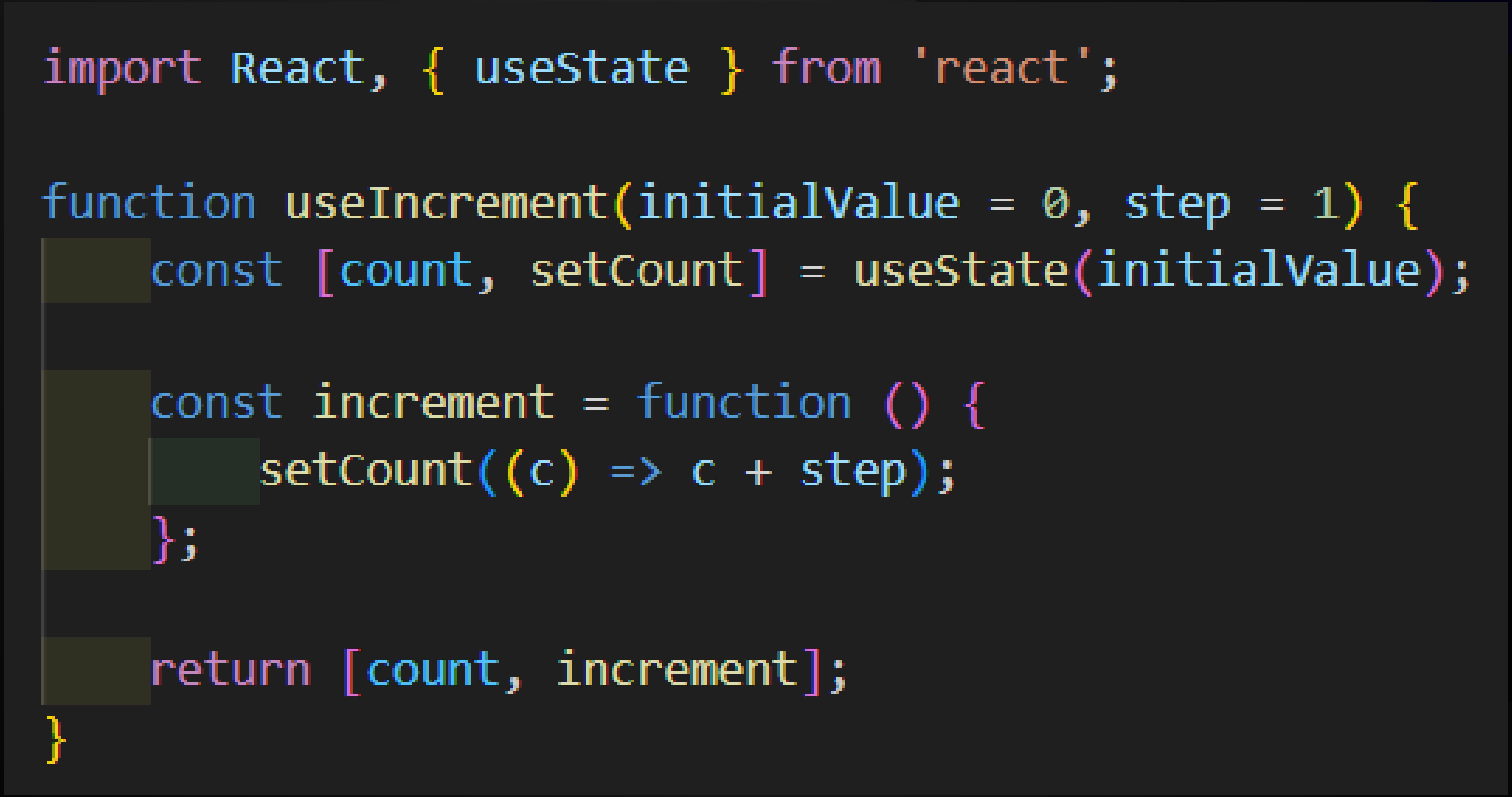


```
export const DarkModeProvider = ({ children }) => {
  const [isDarkMode, setIsDarkMode] = useState(false);

  const toggleDarkMode = () => {
    setIsDarkMode((prevMode) => !prevMode);
  };

  return (
    <DarkModeContext.Provider value={{ isDarkMode,
    toggleDarkMode }}>
      {children}
    </DarkModeContext.Provider>
  );
};
export const useDarkMode = () => {
  return useContext(DarkModeContext);
};
```

Hook personnalisé



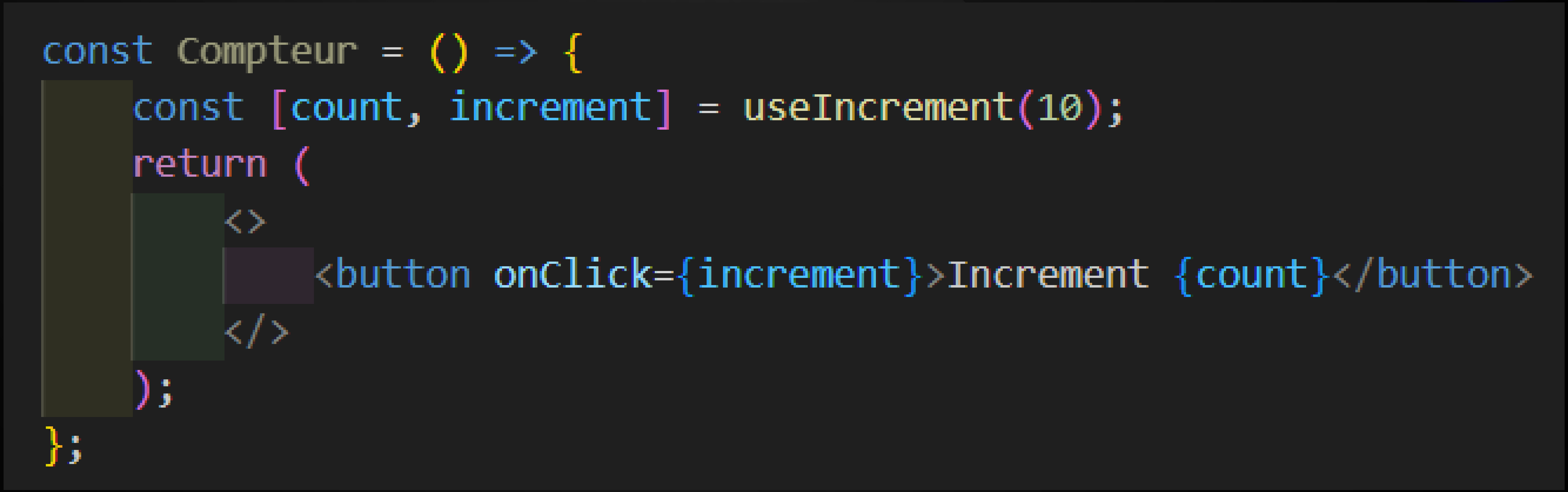
```
import React, { useState } from 'react';

function useIncrement(initialValue = 0, step = 1) {
    const [count, setCount] = useState(initialValue);

    const increment = function () {
        setCount((c) => c + step);
    };

    return [count, increment];
}
```

Hook personnalisé



```
const Compteur = () => {
    const [count, increment] = useIncrement(10);
    return (
        <>
            <button onClick={increment}>Increment {count}</button>
        </>
    );
};
```

Autres Hooks

- useRef()
- useReducer()
- useCallback()
- useMemo()
- ...

Plus d'informations

ICI

Props

Transmettre des données

Composant Parent → Composant enfant

Bibliographie

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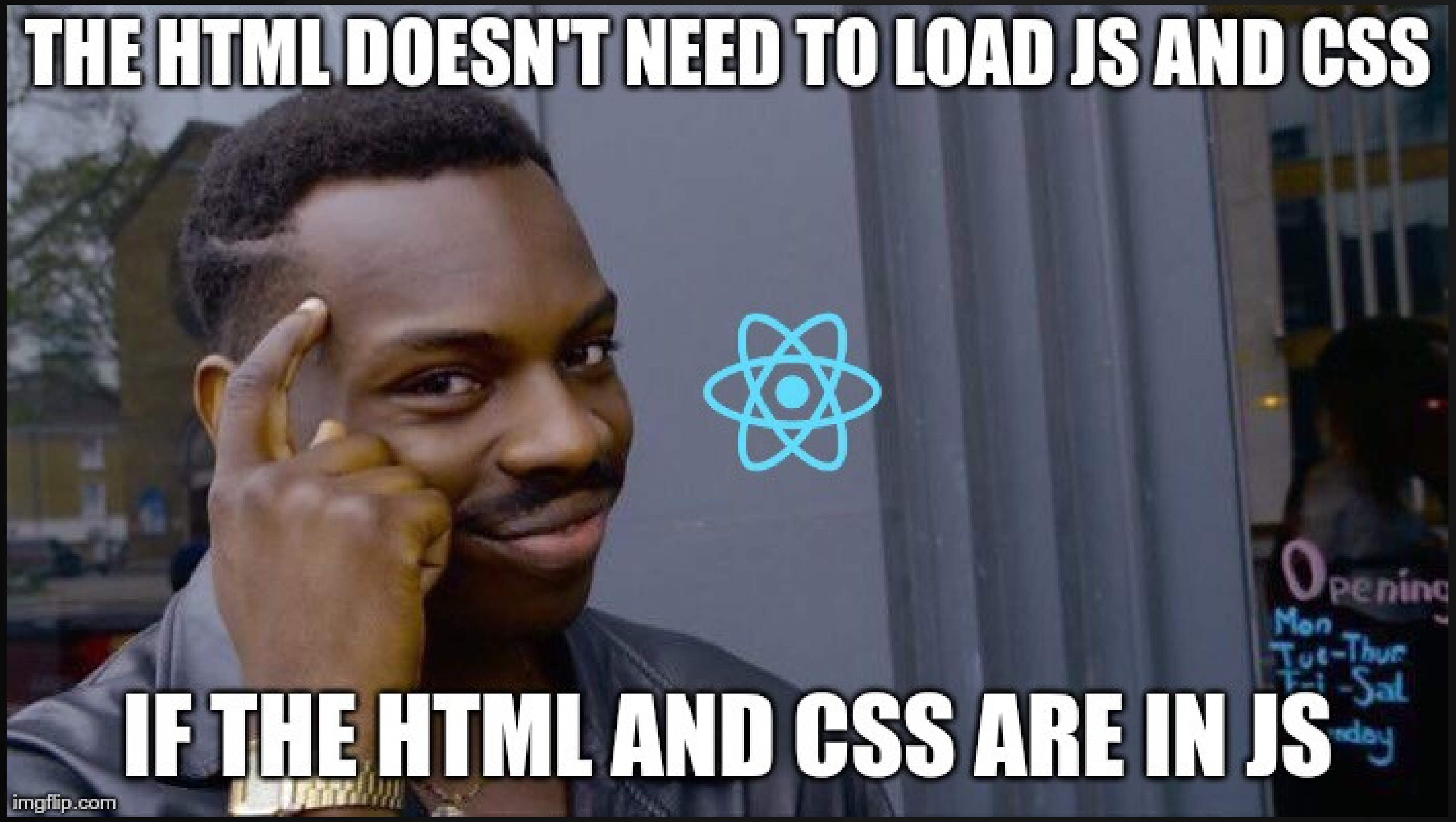
Merci !


THE HTML DOESN'T NEED TO LOAD JS AND CSS
IF THE HTML AND CSS ARE IN JS
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