

## ✓ Congratulations! You passed!

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Grade received **100%** To pass 80% or higher

1. Is this a valid `useState` hook invocation and destructuring?

1 / 1 point

```
const [car, setCar] = useState({ color: 'blue', mileage: 0 })
```

- ☒ Yes
- ☐ No
- ☐ It would be valid, if it was spread over multiple lines.

✓ Correct

Correct. This code shows a valid call to the `useState()` hook. It's also correctly destructured to `car` and `setCar`.

2. True or False: You can clone a JS object using the `.` operator (the dot operator).

1 / 1 point

- ☐ True
- ☒ False

✓ Correct

Correct. The dot operator is not used to clone an object in JS.

3. Consider the following code:

1 / 1 point

```
const [person, setPerson] = useState({ name: 'John', age: 21 })
```

Imagine you're using a `setPerson()` state-updating function to update the value of the state variable named `person`. You only want to update the value of `age`, from 21 to 22. Choose the correct code snippet to do that.

- ☒ `setPerson(prev => ({ ...prev, age: 22 }));`
- ☐ `setPerson(() => ({ age: 22 }));`
- ☐ `setPerson(person.age = 22);`

✓ Correct

Yes, this snippet is correct, because it clones the previous state object, and updates only the cloned object's `age` value.