

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

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

A. Yes

B. No

C. It would be valid, if it was spread over multiple lines.

ANS: A

2. Consider the following code:

```
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.

A. setPerson(prev => ({ ...prev, age: 22 }));

B. setPerson(() => ({ age: 22 }));

C. setPerson(person.age = 22);

ANS: A

3. What is the name of the second argument of the useEffect() call?

A. the dependencies object

B. the dependency array

C. the destructured object

D. the callback function

ANS: B

4. If I need to navigate to another page, which of the following methods satisfy the Single Page Application (SPA) principle?

A. Using `router.push()` in Next.js

```
<button onClick={() => router.push("/")}>Return to Home</button>
```

B. Using a regular `<a>` tag inside a button

```
<a href="/">Return to Home</a>
```

C. Using `useNavigate()` in React Router

```
<button onClick={() => navigate("/")}>Return to Home</button>
```

D. Using `Link` with a button in Next.js

```
<Link href="/">Return to Home</Link>
```

ANS: A, C, D