

✓ Congratulations! You passed!

Grade received 100% To pass 80% or higher

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1. Choose the correct statement about the following code:

1 / 1 point

```
1  <>
2
3    <h1>...</h1>
4
5    <p>...</p>
6
7  </>
```

- ☐ This is valid JavaScript code
- ☐ This is not valid React code
- ☒ This is valid React code.
- ☐ This is a valid HTML tag

✓ Correct

That's correct. This is called fragment. A React fragment allows you to group a list of children without adding extra nodes to the DOM.

2. In React, you can only have one root element in a component.

1 / 1 point

- ☐ True
- ☒ False

✓ Correct

That's correct. In React, you can have multiple root elements in a component as long as they are wrapped in a single parent element.

3. Which of the following statements are true about JSX?

1 / 1 point

Choose all that apply.

- ☒ JSX elements can have multiple children.

✓ Correct

That's correct. JSX elements can have multiple children, just like HTML elements.

- ☐ JSX elements must be self-closing.

- ☒ JSX allows you to include expressions in your code.

✓ Correct

That's correct. You can use expressions in JSX by enclosing them in curly braces.

- ☐ JSX elements must be written in all uppercase.

- ☒ JSX allows you to use JavaScript functions as attributes

✓ Correct

That's correct. You can use JavaScript functions as attributes in JSX by enclosing them in curly braces.

4. What is the output of the following JSX code block?

1 / 1 point

```
1  const myList = ['apple', 'banana', 'orange'];
2
3  const listItems = myList.map((item) =>
4
5    <li key={item}>{item}</li>
6
7  );
8
```



```
9   return (  
10  
11     <ul>{listItems}</ul>  
12  
13   );
```

☐ 1 [apple, banana, orange]

☐ 1 [[,apple, banana, orange,]]

☐ 1 applebananaorange

☒ 1 applebananaorange

✓ **Correct**

That's correct! The code block creates a list of li elements using the map() function and then renders them inside a ul element.

5. Which of the following is true about props in React?

1 / 1 point

- ☒ Props should be used for values that will not change within a component.
- ☐ Props are mutable and can be changed within a component.
- ☐ The prop value must be wrapped in quotes.
- ☐ Props should only be used for simple data types, such as strings and numbers.

✓ **Correct**

That's correct. Props are used to pass values from a parent component to a child component and should not be changed within the child component. They are considered immutable.