

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

✔ 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 allows you to include expressions in your code.



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

☐ JSX elements must be written in all uppercase.

☐ JSX elements must be self-closing.

☒ JSX allows you to use JavaScript functions as attributes



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    <li key={item}>{item}</li>
5  );
6
7  );
8
9  return (
10    <ul>{listItems}</ul>
11  );
```

☒ 1 applebananaorange

☐ 1 applebananaorange

☐ 1 [, apple, banana, orange,]



```
1 <ul> [<li>apple</li>, <li>banana</li>, <li>orange</li>] </ul>
```



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 are mutable and can be changed within a component.



Props should only be used for simple data types, such as strings and numbers.



Props should be used for values that will not change within a component.



The prop value must be wrapped in quotes.



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.