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### Quiz 3.3

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#### Problem 1

1/1 point (graded)

I have implemented a React component that uses a callback function that contains the line: `this.state = { value : this.state.value+1 };` I see that the callback function is invoked and this line is executed, but the HTML that uses `this.state.value` never changes. What code should I instead use to fix this problem?

- ☐ `this.state.value+1;`
- ☐ `this.state.value = this.state.value+1;`
- ☒ `this.setState({value : this.state.value+1});` 
- ☐ `this.setState({value + 1});`

#### Answer

Correct:  
this.setState will force the `render` function to be called so that the component is re-rendered, whereas directly setting `this.state` will not.

Submit

You have used 2 of 3 attempts

?

Hint

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Show Answer

 Correct (1/1 point)

#### Problem 2

1/1 point (graded)

I have a React component called “MyText” that is inserted into the HTML page using the following:

```
ReactDOM.render(  
  <div><MyText value="Hi there!" /></div>,  
  document.getElementById('container')  
)
```

My component defines a callback function named “modifyText” and I want the function to be invoked when the user places the mouse over the text that is set as a property when this component is created. How should I implement the MyText component’s “render” function?

- ☐

```
render () {  
  return (  
    <span onMouseOver={modifyText}>  
      {value}  
    </span>  
  );  
}
```
- ☐

```
render () {  
  return (  
    <span onMouseOver="modifyText();">  
      {this.props.text}  
    </span>  
  );  
}
```
- ☐

```
render () {  
  return (  
    <span onMouseOver={modifyText}>  
      {this.props.value}  
    </span>  
  );  
}
```
- ☒

```
render () {  
  return (  
    <span onMouseOver={this.modifyText.bind(this)}>  
      {this.props.value}  
    </span>  
  );  
}
```



#### Answer

Correct:  
To invoke “modifyText” when the user mouses over this text, we need to bind it to the “onMouseOver” event using `this.modifyText.bind(this)` . To display the text that is set as a property, we use `this.props.value;` note that the property is named “value”.

Submit

You have used 1 of 3 attempts

?

Hint

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 Correct (1/1 point)



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