

# Test Your Skills So Far!

Test yourself on React!

## WE'LL COVER THE FOLLOWING



- Final thoughts
- Coding Challenge: Test your React Skills
- Quick Quiz on Getting React Output!

## Final thoughts #

It is nice that we may think about every React component as a black box. It has its own input, lifecycle, and output. It is up to us to compose these boxes. And maybe that is one of the advantages that React offers: easy abstraction and composition

For instance, the code below is the “black box” that we have defined as the Title component to take in multiple child components as inputs and output each of them:

```
import React from 'react';
import PropTypes from 'prop-types';

class Title extends React.Component {
  constructor(props) {
    super(props);
    this._clickHandler = this._clickHandler.bind(this);
  }
  _clickHandler() {
    console.log(this.props.children);
  }
  render() {
    return (
      <h1>
        <a onClick={this.props.logoClicked}>
          <img src='' />
        </a>
        { this.props.text }
        { this.props.children }
      </h1>
    );
  }
}
```

```

        <a onClick={this._clickHandler}>click on the logo</a>
      </h1>
    );
  }
};
Title.propTypes = {
  logoClicked: PropTypes.func,
  text: PropTypes.string,
  children: PropTypes.any
};

class SomethingElse extends React.Component {
  render() {
    return <div>The answer is { this.props.answer }</div>;
  }
}
SomethingElse.propTypes = {
  answer: PropTypes.element
};

class Answer extends React.Component {
  render() {
    return <span>42</span>;
  }
}

export default class NextApp extends React.Component
{
  logoClicked()
  {
    console.log('logo clicked');
  }
  render() {
    return (
      <Title text='Hello React ' logoClicked={this.logoClicked}>
        <span>community</span>
        <SomethingElse answer={ <Answer /> } />
      </Title>
    );
  }
};

```

## Coding Challenge: Test your React Skills #

Since this is the first coding challenge of this course, lets start off with something relatively easy. Write a react component called 'App' that returns a span with the text 'Hello World'. Some skeleton code is already given.

```

import React from 'react';
import ReactDOM from 'react-dom';
import App from './app.js';

ReactDOM.render(
  <App />,
  document.getElementById('root')
);

```

## Quick Quiz on Getting React Output! #

1

Components cannot refer to other components in their output.

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Now that we have covered basic communication in React components, we will move on to handling events in React components.