Hello World

// Import React and ReactDOM
import React from 'react'
import ReactDOM from 'react-dom'

// Render component into the DOM - only once per app
ReactDOM.render(<h1>Hello, world!</h1>,
  document.getElementById('root'))

Stateless Components

// Stateless React Component
const Headline = () => {
  return <h1>React Cheat Sheet</h1>
}

// Component that receives props
const Greetings = (props) => {
  return <p>You will love it {props.name}.</p>
}

// Component must only return ONE element (eg. DIV)
const Intro = () => {
  return (<div><p>Welcome to the React world!</p><Greetings name="Petr" /></div>)
}

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

ES6 Class

// use class for local state and lifecycle hooks
class App extends React.Component {
  constructor(props) {
    // fires before component is mounted
    super(props); // makes this refer to this component
    this.state = {date: new Date()}; // set state
  }

  render() {
    return (  
      <h1>It is {this.state.date.toLocaleTimeString()}.</h1>
    )
  }

  componentWillMount() {
    // fires immediately before the initial render
  }

  componentDidMount() {
    // fires immediately after the initial render
  }

  componentWillReceiveProps() {
    // fires when component is receiving new props
  }

  shouldComponentUpdate() {
    // fires before rendering with new props or state
  }

  componentWillUpdate() {
    // fires immediately before rendering
    // with new props or state
  }

  componentDidUpdate() {
    // fires immediately after rendering with new P or S
    // fires immediately before component is unmounted
    // from DOM (removed)
  }

  componentWillUnmount() {
    // fires immediately before component is unmounted
    // from DOM (removed)
  }
}

Conditional Rendering

// conditional rendering of elements and CSS class
render() {
  const {isLoggedIn, username} = this.state;
  return (  
    <div className={`login ${isLoggedIn ? 'is-in' : 'is-out'}`}>  
      {!!isLoggedIn ?
        <p>Logged in as {username}.</p>
      :
        <p>Logged out.</p>
    </div>
  )
}

Tools and Resources

// Create React App

// React Dev Tools for Chrome

// React Code Snippets for Visual Studio Code

// Babel for Sublime Text 3

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The Quickest Way To Get Started With Reactjs

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