* Introduction to React.js
* Es-6 and beyond
* Environment Setup
* JSX
* Components
* Component Styling
* Component Communication
* Props
* Props Validation
* State Management
* Refs, keys
* Hooks
* Forms
* Http
* Routing
* FLUX
* REDUX
* Deployment
* Unit Testing
* Debugging

1. ECMASCRIPT-6

* What is ES6
* Block scope, let & const
* Template literals
* Arrow functions
* Spread and Rest operators
* Destructuring
* Classes
* Inheritance
* Static properties and methods
* Promises
* Modules

1. Introduction to React

* What is React?
* Why React?
* React version history
* React - Hello World
* Using create-react-app
* Anatomy of react project
* Running the app
* Debugging first react app

1. Templating Using JSX

* Working with React. createElement
* Expressions
* Using logical operators
* Specifying attributes
* Specifying children
* Fragments

1. Components

* Significance of component architecture
* Types of components
* Functional
* Class based
* Pure
* Component Composition

1. Props and States

* What is state and it significance
* Read state and set state
* Passing data to component using props
* Validating props using propTypes
* Supplying default values to props using defaultProps

1. Rendering Lists

* Using react key prop
* Using map function to iterate on arrays to generate elements

1. Lifecycle Hooks

* Understand the lifecycle methods
* Handle errors using error boundaries

1. Forms

* Controlled components
* Uncontrolled components
* Understand the significance to default Value prop
* Using react ref prop to get access to DOM element

1. Routing

* Setting up react router
* Understand routing in single page applications
* Working with BrowserRouter and HashRouter components
* Configuring route with Route component
* Using Switch component to define routing rules
* Making routes dynamic using route params
* Working with nested routes
* Navigating to pages using Link and NavLink component
* Redirect routes using Redirect Component
* Using Prompt component to get consent of user for navigation
* Path less Route to handle failed matches

1. REDUX

* What is redux
* Why redux
* Redux principles
* Install and setup redux
* Creating actions, reducer and store