

# React Guidance Material

## Introduction to React:

<https://reactjs.org/docs/getting-started.html>

Read the following topics from the article “Main concepts”

- Introducing JSX
- Rendering Element
- Components and Props
- State and Lifecycle
- Handling Events
- Conditional Rendering
- Lists and Keys
- Lifting State Up

## Advanced Concepts:

Read the following topics from the article “Advanced Concepts”

- Context
- Forwarding Refs
- Fragments
- High Order Components
- Refs and the DOM
- Render Props

## API Reference

<https://reactjs.org/docs/react-api.html>

- React
- React.Component

## Hooks

<https://reactjs.org/docs/hooks-intro.html>

- Introducing Hook
- Hooks at a Glance
- Rules of Hooks
- Hooks API Reference

## Java Script

<https://javascript.info/>

Read all the subtopics of below mentioned topics

- Java Fundamentals
- Objects
- Data Types
- Advanced working with Functions
- Object Properties Configuration
- Prototypes, Inheritance
- Classes

## Type Script

<https://www.typescriptlang.org/docs/>

Read all the subtopics of below mentioned topics

- The Basics
- Everyday Types
- Narrowing
- Object Types
- More on Functions

## Type Manipulation

- Creating Types from types
- Generics
- keyof Type Operator
- typeof Type Operator
- Conditional Types
- Mapped Types

## Classes

- Read all the subtopics from class.

## API Reference

<https://reactjs.org/docs/react-api.html>

- React
- React.Component

## Hooks

<https://reactjs.org/docs/hooks-intro.html>

- Introducing Hook
- Hooks at a Glance
- Using the State Hook
- Using the Effect Hook
- Rules of Hooks
- Building Your Own Hooks
- Hooks API Reference