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React is a Javascript library created by engineers at Facebook, which offers an original approach to [building web applications](#). This one day training course provides a full introduction to React. The training course explains relevant features from Javascript **ES6**, and introduces **tools**, for building production-ready React apps.

### Who is React Training Course for?

The training course assumes intermediate level JavaScript, though some more advanced JavaScript topics can be covered. This is a practical course aimed at developing real world skills for building websites.

### Prerequisites

Training course delegates should have the basic Javascript fundamentals (variables, arrays, objects and functions), and be familiar with HTML and CSS.

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## Course Objectives

By the end of this training course, candidates will be able to understand how to:

- Build component-based apps in React.
- Build tools are used to create React apps.

## **Introduction to React Native**

- What is React Native?
- React Native Advantages
- Risks and Drawbacks

## **Working with React Native**

- React Native Working
- Rendering Lifecycle
- Create Components in React Native
- Host Platform APIs

## **Building the First Application**

- Setting Environment
- Creating React Native App
- Build Weather App

## **Exploring Components for Mobile**

- Analogies between HTML Elements and Native Components
- Working with Touch, Gestures, and Lists
- Navigation Basics

## **Introduction to Styles**

- Declaring and Manipulating Styles
- Organisation and Inheritance
- Position and Design Layouts

## **Overview of Platform APIs**

- Working with Geolocation
- Access User Images and Camera
- Store Persistent Data with AsyncStorage
- SmarterWeather Application

## **Modules and Native Code**

- Install JavaScript Libraries with NPM and Third-Party Components with Native Code
- Objective-C Native Modules
- Java Native Modules
- Cross-Platform Native Modules

## **Platform-Specific Code**

- iOS or Android-only Components
- Components with Platform-Specific Implementations

## Debugging and Developer Tools

- JavaScript Debugging Practices, Translated
- React Native Debugging Tools
- Debugging Beyond JavaScript
- Testing Code

## Navigation and Structure in Larger Applications

- Flashcard Application
- Basics of Project Structure
- React-Navigation Usage

## State Management in Larger Applications

- Manage State with Redux
- Actions and Reducers
- Connecting Redux
- Persist Data with AsyncStorage

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