

Android



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Overview Of Android

- i. Basic concept of Java
- ii. What is Android
- iii. Need Of Android and Market Demand
- iv. Comparing Android with Other OS

Introduction & Architecture

- I. Introduction to Android Programming
- ii. Linux Kernel and Android
- iii. JVM & DVM
- iv. Application Framework

Arrays System Requirement

- i. Introduction to Android Studio
- ii. R.java file
- iii. Software Development Kit
- iv. Introduction TO gradle
- v. Versions Of Android
- vi. Introduction To Emulator

First Application With Android

- i. Hello World Application
- ii. Manifest file
- iii. Resources files
- iv. Running Application With Emulator

Building Block Of Android

- i. Application Execution
- ii. Basic Components
 - a. Activity
 - b. Services
 - c. Content Provider
 - d. Content Provider
- iii. Intent



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Android UI Framework

- i. Introduction to View
- ii. Properties Of View
- iii. sp, dp/ sip, dip
- iv. Adding components through code and XML
- v. Types of layout
- vi. Activity Communication
- vii. Activity for Resultset

Android UI Component

- i. Basic UI Components
- ii. Menus
- iii. List
- iv. Adaptor
- v. Custom Views

Fragments

- i. Basic Concept of Fragment
- ii. Creating Fragment using Fragment tag
- iii. Fragment Transaction Management

Notification

- i. Toast
- ii. Dialog Box
- iii. Custom Notification

Styles and Themes

- i. Creating Styles
- ii. Styles as a Theme



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Services

- I. Why Services?
- ii. Life Cycle
- iii. Creating Services

Multimedia

- I. Audio Support
- ii. Video Support

Web Services and JSON

- I. what is web services
- ii. JSON Parsing

Location Based Services

- I. Searching Location
- ii. Current Position Algorithm
- iii. Location Listener

Sensors And Bluetooth

- I. Working with Sensor
- ii. Managing Connectivity with Bluetooth

Camera & Wi-Fi

- I. Working with Camera Activity
- ii. Managing Wi-fi Networks

Telephony Services

- I. SMS sending
- ii. Making calls

Deployment

- I. Publishing Application to play store



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