

Android Course Content

Basics of Android

What is Android
History and Version
Installing softwares
Setup Android Studio
Hello Android example
Internal Details
Dalvik VM
Software Stack
Android Core Building Blocks
Android Emulator
AndroidManifest.xml
R.java file
Hide Title Bar
Screen Orientation

Android Components

Activity
Service
Broadcast Receiver
Content Providers



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UIWidgets

Working with Button

Toast

Custom Toast

ButtonToggle

Button Image

Button

Check Box

Alert Dialog

Spinner

Auto CompleteText

View RatingBar

Date Picker

Time Picker

Progress Bar

Activity,Intent & Fragment

Activity Lifecycle

Activity Example

Implicit Inten

Explicit Intent

Fragment Lifecycle

Fragment Example

Dynamic Fragment

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Android Menu

Option Menu

Context Menu

Popup Menu

Layout Manager

Relative Layout

Linear Layout

Table Layout

Grid Layout

Adaptor

Array Adaptor

Array List Adaptor

Base Adaptor

View

Grid View

Web View

Scroll View

Search View

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Android Service

Android Service
Android Service API
Android Started Service
Android Bound Service
Android Service Life Cycle
Android Service Example

Data Storage

Shared Preferences
Internal Storage
External Storage

SQLite

SQLiteAPI
SQLite Spinner
SQLite List View

JSON&XML

JSONParsing
XML Parsing

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Content Provider

Content Provider Fundamental

Contact Content Provider

Other Built-in Content Providers

Creating Custom Content Provider

Understanding Content URI

Content Resolver

Sharing Information from custom content provider

Android Notification

Notification API

Creating Notification Builder

Setting Notification Properties

Attaching Actions

Issuing Notification

Notification Compat.Builderclass

Android Notification Examples

Multimedia

Multimedia API

Playing Audio

Creating Audio Player

Playing Video

Alarm Manager

Gallery

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Advance Android

Speech API

- Text To Speech API
- Text To Speech Example
- Managing speed and pitch
- Speech To Text

Telephony API

- Telephony Manager
- Get Call State
- Call State Broad cast Receiver
- Simple Caller Talker
- Making Phone Call
- Send SMS
- Send Email

Location API

- Location API Fundamental
- Example of Android LocationAPI
- Working with Google Maps
- Android Map V2 API
- Adding Map
- Customizing Map
- Google Map class
- Android Google Map Application

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Animation

- Android Animation API
- Android Drawable class
- Android Animation Example
- Android Rotate Animation
- Android Fade Animation
- Android Zoom Animation

Device Connectivity

- Bluetooth Tutorial
- List Paired Devices
- Working with WiFi
- Working with Camera

Android Web Services

- What is web service
- SoapVs Restful web service
- Android Restful web service example with Java servlet
- Storing data into an external Oracle database
- Verifying data in android with external oracle database

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Social API Integrations

Facebook Integration

Google plus Integration

Twitter Integration

AdMob Integration

Material Design Basic Concepts

Floating Action Buttons

TextInput Layout

Snack Bar recycler view

Collapsing Toolbar Layout

Card Views

Navigation Drawer Using Material Design

Firebase Concepts

Fire Store

Real-Time DB

Push Notifications Using Firebase

Crashlytics

Analytics

Deep Linking

Distribution

Room DataBase

MVP

MVVM