

Core Android

Basics of Android

- ✓ What is Android
- ✓ History and Version
- ✓ Installing softwares
- ✓ Setup Eclipse
- ✓ 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

UI Widgets

- ✓ Working with Button
- ✓ Toast
- ✓ Custom Toast
- ✓ Button
- ✓ Toggle Button
- ✓ Switch Button
- ✓ Image Button
- ✓ CheckBox
- ✓ AlertDialog
- ✓ Spinner
- ✓ AutoCompleteTextView
- ✓ RatingBar
- ✓ DatePicker
- ✓ TimePicker
- ✓ ProgressBar
- ✓ Quick Contact Budge
- ✓ Analog Clock and Digital Clock
- ✓ Working with hardware Button
- ✓ File Download

Activity, Intent & Fragment

- ✓ Activity Lifecycle
- ✓ Activity Example
- ✓ Implicit Intent

- ✓ Explicit Intent
- ✓ Fragment Lifecycle
- ✓ Fragment Example
- ✓ Dynamic Fragment

Android Menu

- ✓ Option Menu
- ✓ Context Menu
- ✓ Popup Menu

Layout Manager

- ✓ Relative Layout
- ✓ Linear Layout
- ✓ Table Layout
- ✓ Grid Layout

Adaptor

- ✓ Array Adaptor
- ✓ ArrayList Adaptor
- ✓ Base Adaptor

View

- ✓ GridView
- ✓ WebView
- ✓ ScrollView
- ✓ SearchView
- ✓ TabHost
- ✓ DynamicListView
- ✓ ExpandedListView

Advance Android

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

- ✓ SQLite API

- ✓ SQLite Spinner
- ✓ SQLite ListView

XML & JSON

- ✓ XML Parsing SAX
- ✓ XML Parsing DOM
- ✓ XML Pull Parser
- ✓ JSON Parsing

Content Provider

- ✓ Content Provider Fundamental
- ✓ Contact Content Provider
- ✓ Other Built-in Content Providers
- ✓ Creating Custom Content Provider
- ✓ Understanding Content URI
- ✓ ContentResolver
- ✓ Sharing Information from custom content provider

Android Notification

- ✓ Notification API
- ✓ Creating Notification Builder
- ✓ Setting Notification Properties
- ✓ Attaching Actions
- ✓ Issuing Notification
- ✓ NotificationCompat.Builder class
- ✓ Android Notification Examples

Multimedia

- ✓ Wallpaper
- ✓ Live Wallpaper
- ✓ Multimedia API
- ✓ Playing Audio
- ✓ Creating Audio Player
- ✓ Playing Video
- ✓ Alarm Manager
- ✓ Gallery

Speech API

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

Telephony API

- ✓ Telephony Manager
- ✓ Get Call State
- ✓ Call State BroadcastReceiver
- ✓ Simple Caller Talker

- ✓ Making Phone Call
- ✓ Send SMS
- ✓ Send Email

Location API

- ✓ Location API Fundamental
- ✓ Example of Android Location API
- ✓ Working with Google Maps

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

Sensor

- ✓ Sensor API
- ✓ Motion Sensor
- ✓ Position Sensor
- ✓ Environmental Sensor
- ✓ Sensor Values
- ✓ SensorManager class
- ✓ Sensor Class
- ✓ SensorEvent class
- ✓ SensorEventListener interface
- ✓ Compass Accelerometer and Orientation Sensors
- ✓ Sensor Examples

Android Graphics

- ✓ Graphics API
- ✓ 2D Graphics
- ✓ android.graphics.Canvas
- ✓ android.graphics.Paint class

Android P2P Communication

- ✓ Introducing Instant Messaging
- ✓ Using the GTalk Service
- ✓ Monitoring the Roster for Changes
- ✓ Sending and Receiving Data Messages

- ✓ Transmitting Data Messages
- ✓ Receiving Data Messages

Android Web Services

- ✓ What is web service
- ✓ Soap Vs Restful web service
- ✓ Android Restful web service example with java servlet
- ✓ Storing data into external oracle database
- ✓ Verifying data in android with external oracle database

Android Google Map

- ✓ Android Map V2 API
- ✓ Adding Map
- ✓ Customizing Map
- ✓ GoogleMap class
- ✓ Android Google Map Application

Project Development