Android Programming & Information Security		
Unit 1	Introduction to Android	
	 Introduction to Android Platform Android Stack Android Versions and Installing Android SDK and updating SDK components Android Studio IDEs and ADT plug-in Using the Emulator Android vs. Other mobile platforms 	
Unit 2	First Android Application Application Life Cycle Application Components Activity life cycle Manifest File, Layout XML Code Strings, The R File Java Source Code Java based layout vs. xml based layout Eclipse Visual Layout Editor Logging	
Unit 3	 UI Design for Android Using different layouts - LinearLayout, TableLayout etc. Drawable Resources Resolution and density independence Working with common widgets Working with ListView and Adapters Creating and using option menu Working with preferences Working with Dialogs and Toasts Working with Graphics and Animation 	

Unit 4	Introducing Intents
	 Intents Intent filters Invoking activities by class name and URI Sharing data using Extras Bundle and URI parameters Working with Tabs and Fragments
Unit 5	Files and Database
	 Using File System Introducing SQLite on Android Database Connectivity Cursors and content values Using ContentProvider to share data Understanding Security model
Unit 6	Working in background
	 Introducing Service and its life cycle Creating and starting a service Types of services Working with multi-threading and AsyncTask Broadcast receivers Triggering receivers with intents Responding to system events using Broadcast receivers Using Alarm
Unit 7	 Security overview Design Review Penetration Testing and Code Review Open Source and Community Review Incident Response

For more information,

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