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Android Inc. was founded in Palo Alto, California, in October 2003 by Andy Rubin, Rich Miner, Nick Sears, and Chris White. In July 2005, Google acquired Android Inc. for at least \$50 million. Its key employees, including Rubin, Miner and White, joined Google as part of the acquisition.

Android is a mobile operating system developed by Google, based on a modified version of the Linux kernel and other open source software and designed primarily for touchscreen mobile devices such as smartphones and tablets. In addition, Google has further developed Android TV for televisions, Android Auto for cars, and Wear OS for wrist watches, each with a specialized user interface. Variants of Android are also used on game consoles, digital cameras, PCs and other electronics.

Initially developed by Android Inc., which Google bought in 2005, Android was unveiled in 2007, with the first commercial Android device launched in September 2008. The operating system has since gone through multiple major releases, with the current version being 9.0 "Pie", released in August 2018. The core Android source code is known as Android Open Source Project (AOSP), and is primarily licensed under the Apache License.

Android is also associated with a suite of proprietary software developed by Google, including core apps for services such as Gmail and Google Search, as well as the application store and digital distribution platform Google Play, and associated development platform. These apps are licensed by manufacturers of Android devices certified under standards imposed by Google, but AOSP has been used as the basis of competing Android ecosystems, such as Amazon.com's Fire OS, which utilize their own equivalents to the Google Mobile Services.

Android has been the best-selling OS worldwide on smartphones since 2011 and on tablets since 2013. As of May 2017, it has over two billion monthly active

users, the largest installed base of any operating system, and as of June 2018, the Google Play store features over 3.3 million apps.

Features:

- Head set layout
- Storage
- Connectivity: GSM/EDGE, IDEN, CDMA, Bluetooth, WI-FI, EDGE,3G,NFC, LTE,GPS.
- Messaging: SMS, MMS, C2DM (could to device messaging), GCM (Google could messaging)
- Multilanguage support
- Multi touch
- Video calling
- Screen capture
- External storage
- Streaming media support
- Optimized graphics

Popular Android Mobiles

- Samsung
- One Plus
- Google Pixel2
- Samsung Galaxy Note
- Asus Zenfone
- Honor
- Moto
- Xiomi Mi
- Sony Xperia
- Lenovo

Android Introduction

Android Introduction
Android History & Versions
Android Version Symbols
Why Android?
Android Software Stack
Dalvik Virtual Machine
ART vs Dalvik
Android Application Components
Android Environmental Setup
How to Activate Developers Option
Building your First App

Android Project Structure

Android Project Structure
Android App Module
Android Manifest.xml
Android Java
Android Res
Android Strings.xml

Linear Layout
Relative Layout
Table Layout
Frame Layout

Android UI Widgets

Android UI Widgets Introduction
Button
TextField
Image Button
Toggle Button
Radio Button
Checkbox
Spinners
RatingBar
ProgressBar
Datepicker
Timepicker
Toast
AutoCompleteTextView
AlertDialog

<p>Andriod Styles.xml</p> <p>Android Layouts Whar are views? What is a Viewgroup? Introduction about Layouts and its Types?</p>	<p>CheckedTextView TextSwitcher ImageSwitcher AdapterViewFlipper</p>
<p>Activities & Fragments Activity Lifecycle What is an Intent? Intent Resolution Fragments in Java Fragments in XML InterFragment Communication</p> <p>Android Services Service Service Lifecycle</p> <p>Android Menu Menu Option Menu Context Menu Popup Menu</p> <p>Android Containers ListView Custom ListView Expandable ListView GridView WebView SearchView</p> <p>Android Data Storage Datastorage SharedPreference Internal Storage External Storage Cache Storage SQLite</p>	<p>Android MySQL & PHP MySQL Intro MySQL Login MySQL Register</p> <p>SQLite SQLite Create DataBase and Table SQLite Insert SQLite Read SQLite Update SQLite Delete</p> <p>Android Thread & Process Android Process Android Interprocess Communication ANR AsyncTask Threads Handler, Threads and Looper Handler AlarmManager JobScheduler IntentService</p> <p>Android Notifications Android Notification Introduction Inbox Style Notifications Big Text Style Notifications Big Picture Style Notifications</p> <p>XML and JSON Parsing JSON JSON Parsing XML XML Parsing</p>