

Android Developer Fundamentals V2

# Build your first app

Lesson 1



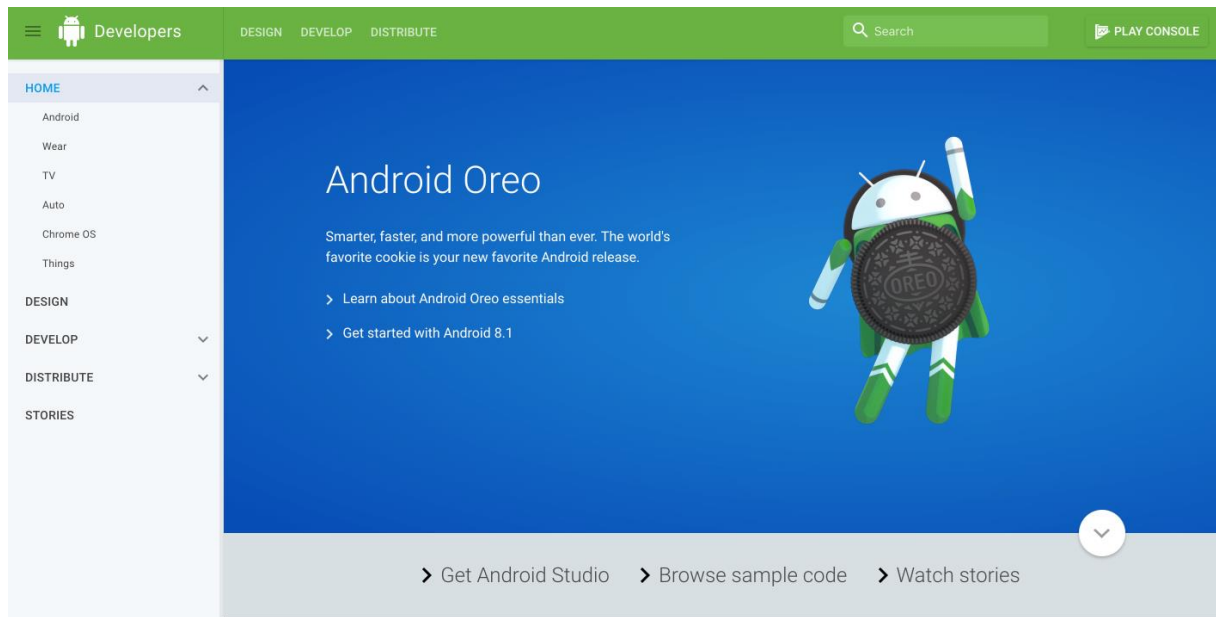
# 1.4 Resources to help you learn

# Contents

- Documentation
- Tutorials and codelabs
- Blogs and videos
- Udacity courses
- Source code for the practicals

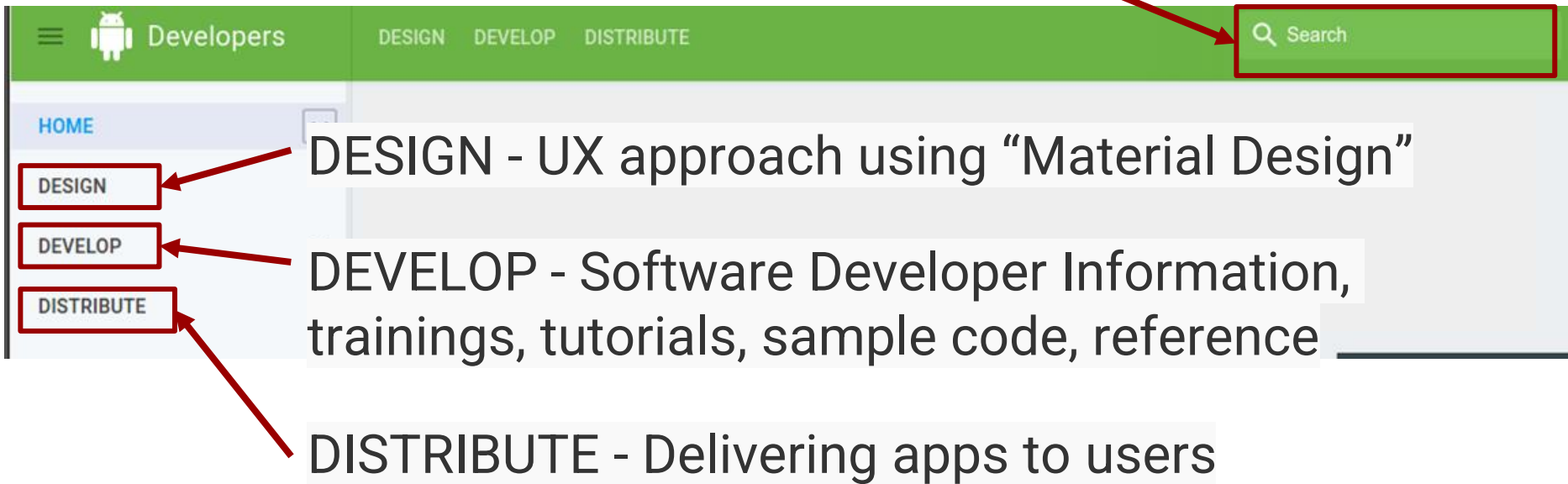
# Official Documentation

[developer.android.com](https://developer.android.com)



# Documentation Structure

Search



The image shows a screenshot of the Android Developers website. The top navigation bar is green and contains the Android logo, the word "Developers", and three tabs: "DESIGN", "DEVELOP", and "DISTRIBUTE". A red box highlights a search bar in the top right corner, with a red arrow pointing to it from the word "Search" above. The left sidebar is light blue and contains a "HOME" link and three buttons: "DESIGN", "DEVELOP", and "DISTRIBUTE". Red boxes highlight each of these buttons, with red arrows pointing from descriptive text blocks to them. The text blocks are: "DESIGN - UX approach using 'Material Design'", "DEVELOP - Software Developer Information, trainings, tutorials, sample code, reference", and "DISTRIBUTE - Delivering apps to users".

DESIGN - UX approach using "Material Design"

DEVELOP - Software Developer Information, trainings, tutorials, sample code, reference

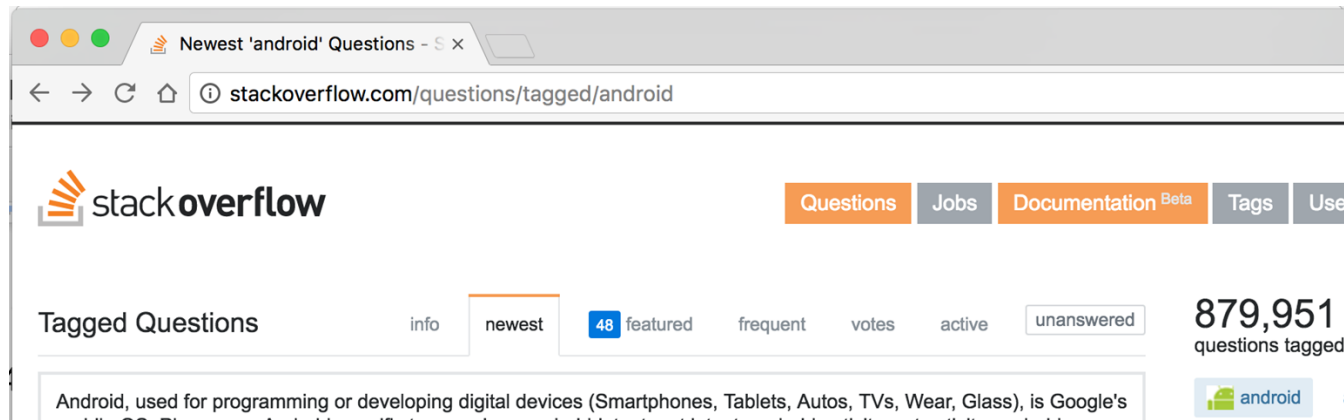
DISTRIBUTE - Delivering apps to users

# Stackoverflow.com

[stackoverflow.com/questions/tagged/android](https://stackoverflow.com/questions/tagged/android)

Question/Answer format

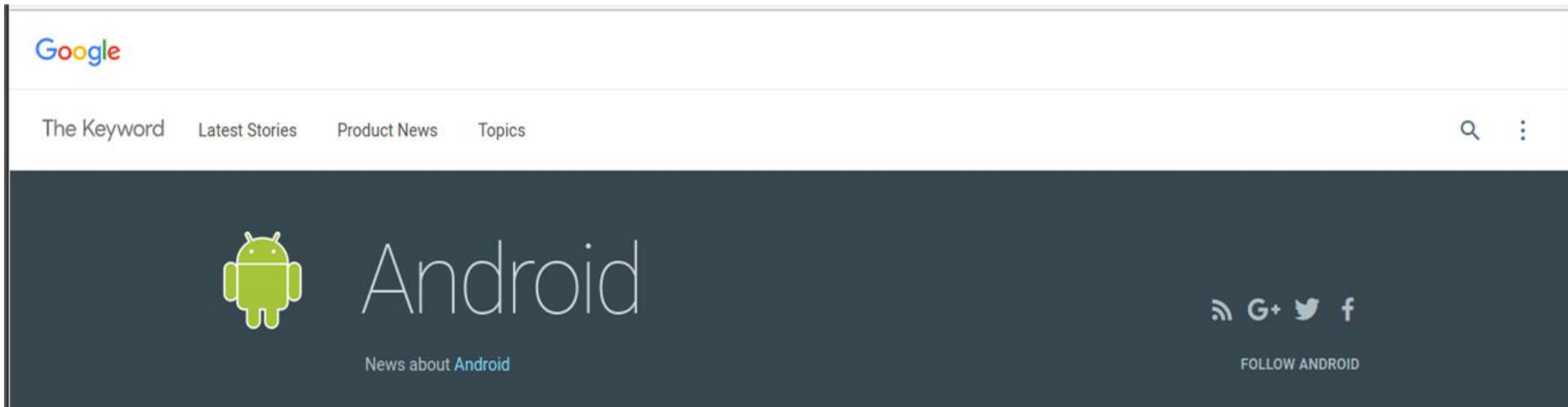
Android, Java language, other programming topics



# Official Android Blog

[android.googleblog.com](https://android.googleblog.com)

News, features, high-level



# Android Developers Blog

[android-developers.blogspot.com](https://android-developers.blogspot.com)

News, updates, developer stories, and articles on how to make your app successful



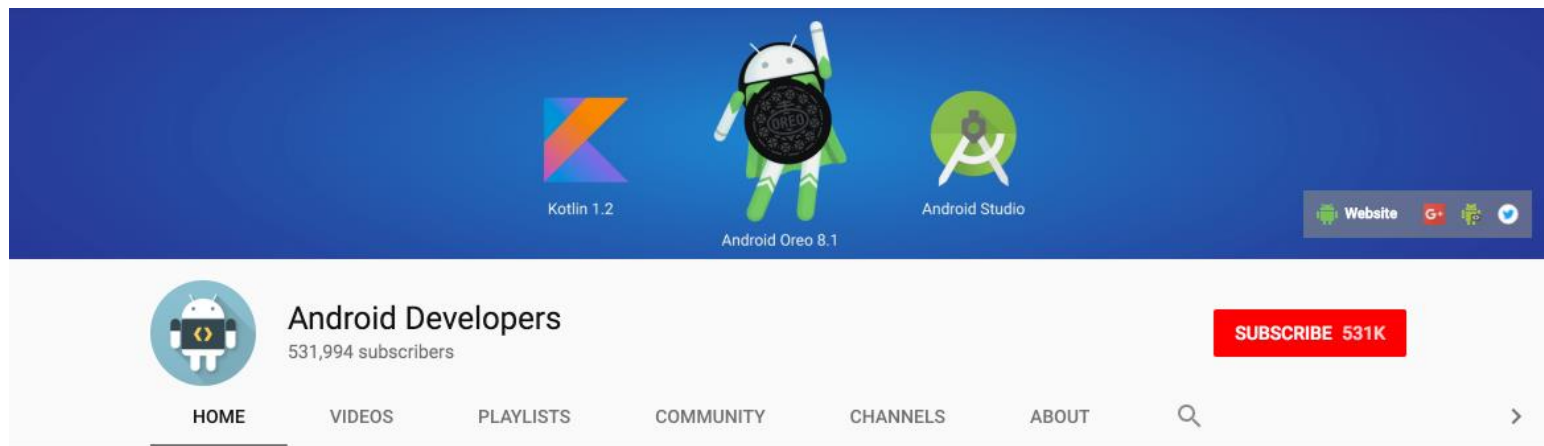
Android Developers Blog



# Android Developers YouTube Channel

## Android Developers YouTube channel

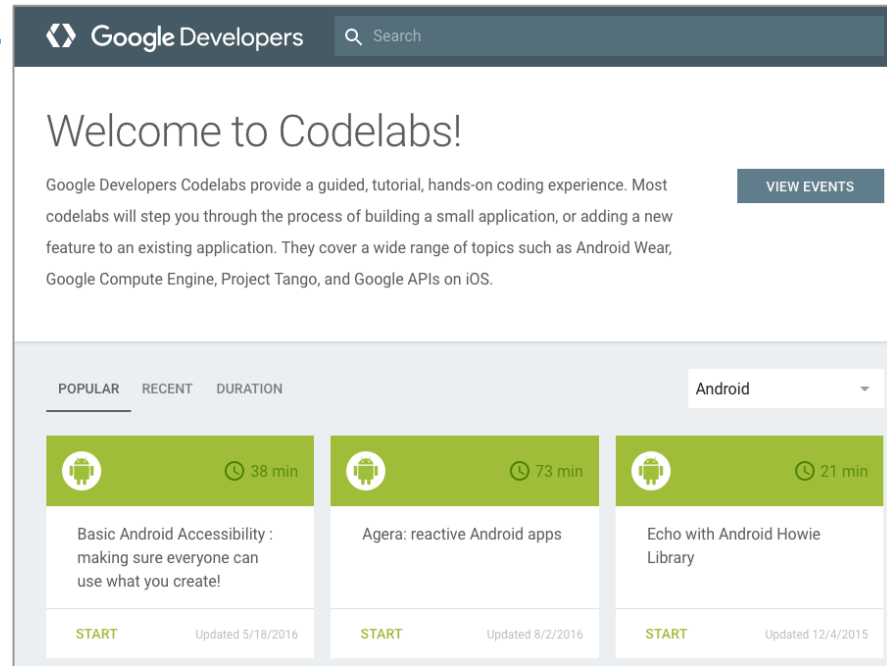
News, tools, how to, and playlists around specific themes, such as Android Developer Patterns, Android Developer Stories, and Android Performance Patterns



# Google IO Codelabs

[codelabs.developers.google.com](https://codelabs.developers.google.com)

Short tutorials  
about specific topics



The screenshot shows the Google Developers Codelabs homepage. At the top is a dark blue header with the Google Developers logo and a search bar. Below the header, a large white section contains the text 'Welcome to Codelabs!' followed by a paragraph describing the Codelabs experience. A 'VIEW EVENTS' button is on the right. Below this is a section with tabs for 'POPULAR', 'RECENT', and 'DURATION', and a dropdown menu set to 'Android'. Three codelab cards are displayed, each with an Android icon, a duration, a title, and a 'START' button. The first card is 'Basic Android Accessibility : making sure everyone can use what you create!' (38 min, updated 5/18/2016). The second is 'Agera: reactive Android apps' (73 min, updated 8/2/2016). The third is 'Echo with Android Howie Library' (21 min, updated 12/4/2015).

Google Developers

Search

## Welcome to Codelabs!

Google Developers Codelabs provide a guided, tutorial, hands-on coding experience. Most codelabs will step you through the process of building a small application, or adding a new feature to an existing application. They cover a wide range of topics such as Android Wear, Google Compute Engine, Project Tango, and Google APIs on iOS.

VIEW EVENTS

POPULAR RECENT DURATION

Android

Icon	Duration	Title	Start Button	Updated
	38 min	Basic Android Accessibility : making sure everyone can use what you create!	START	Updated 5/18/2016
	73 min	Agera: reactive Android apps	START	Updated 8/2/2016
	21 min	Echo with Android Howie Library	START	Updated 12/4/2015

# Online Udacity courses

[www.udacity.com/courses/android](https://www.udacity.com/courses/android)

- Interactive video-based tutorials
- Android courses are built by Google
- Individual courses are free!
- Pay for a Nanodegree
  - build a portfolio of apps
  - get a certificate



**Courses and Nanodegree Programs**

# Udacity Android Course Topics

[www.udacity.com/courses/android](http://www.udacity.com/courses/android)

- Android for Beginners
- Developing Android Apps for programmers

## Advanced topics

- Performance
- Material Design
- ...



### Android Development for Beginners

■ ■ ■ Beginner

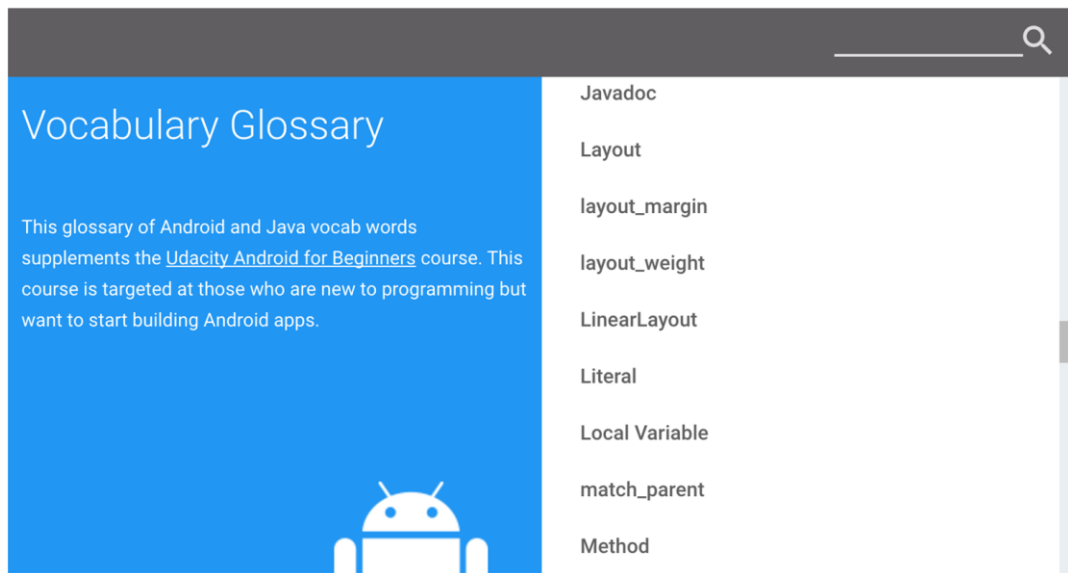
5 PROJECTS

Learn the basics of Android and Java programming, and take the first step on your journey to becoming an Android developer!

BUILT BY **Google**

# Android Vocabulary tool

[developers.google.com/android/for-all/vocab-words](https://developers.google.com/android/for-all/vocab-words)

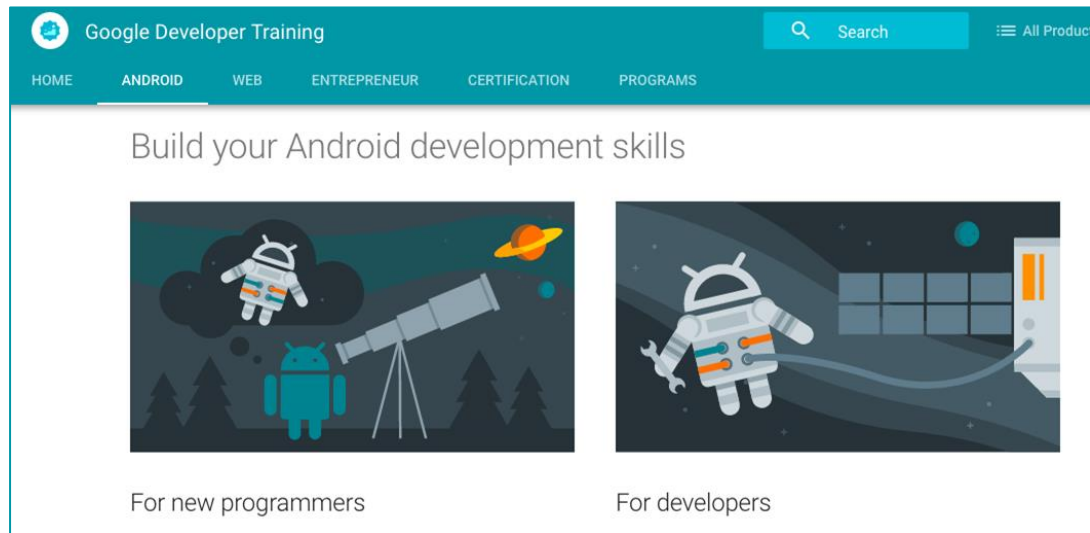


The screenshot shows the 'Vocabulary Glossary' page. On the left, a blue sidebar contains the title 'Vocabulary Glossary' and a paragraph: 'This glossary of Android and Java vocab words supplements the [Udacity Android for Beginners](#) course. This course is targeted at those who are new to programming but want to start building Android apps.' Below the text is the Android robot icon. On the right, a list of terms is displayed: Javadoc, Layout, layout\_margin, layout\_weight, LinearLayout, Literal, Local Variable, match\_parent, and Method. A search bar with a magnifying glass icon is at the top right of the main content area.

# Google Developer Training website

[developers.google.com/training](https://developers.google.com/training)

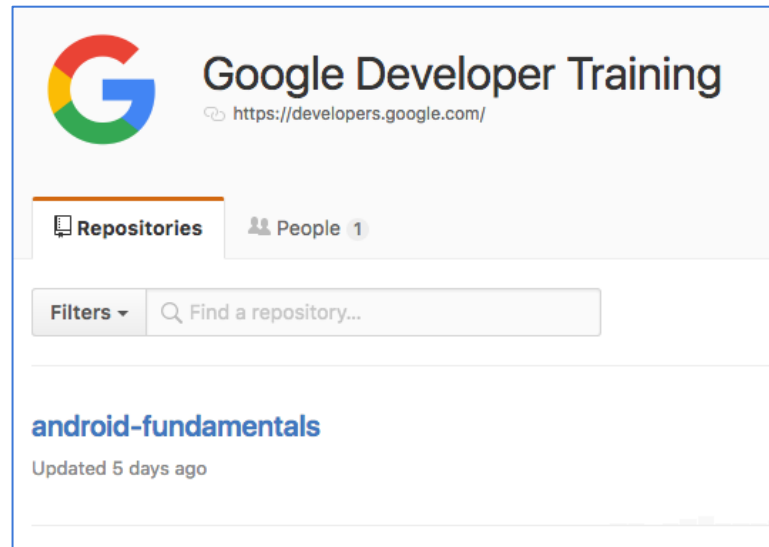
- Course info
- Programs
- Certification details
- Authorized Training Partners



# Source code for exercises on github

<https://github.com/google-developer-training/android-fundamentals>

Starter code and solutions  
for all the practicals and  
many of the challenges



# Download ZIP of repository (or clone)

The screenshot shows the GitHub interface for the repository 'google-developer-training / android-fundamentals'. A red box labeled '1' highlights the repository name in the header. Below the header, there are tabs for 'Code', 'Issues', 'Pull requests', 'Projects', 'Wiki', 'Pulse', 'Graphs', and 'Settings'. The 'Code' tab is selected. Below the tabs, it says 'No description or website provided. — Edit'. A horizontal bar shows repository statistics: '4 commits', '1 branch', '0 releases', and '3 contributors'. Below this bar, there are buttons for 'Branch: master', 'New pull request', 'Create new file', 'Upload files', 'Find file', and a green button labeled 'Clone or download' which is highlighted with a red box and labeled '2'. A dropdown menu is open from the 'Clone or download' button, showing options to 'Clone with HTTPS' (labeled '3'), 'Use SSH', and 'Download ZIP' (which is highlighted with a red box). The 'Clone with HTTPS' option shows the URL 'https://github.com/google-developer-training/android-fundamentals.git'. Below the clone options, there is a table of files and their commit history. The files listed are 'AlertSample', 'DateTimePickers', 'HelloSharedPrefs', and 'HelloToast'. The commit history for 'AlertSample', 'DateTimePickers', and 'HelloSharedPrefs' shows 'Initial commit.', while 'HelloToast' shows 'Squashed commit of the following:'. The commit history for 'HelloToast' is truncated. The date '7 days ago' is shown at the bottom right of the commit history section.

1

2

3



# Get the most from the practicals

- Complete each practical
- Study and learn the corresponding concepts
- Try completing the challenges
  - More detailed app that uses the concepts covered
  - Closer to real-world apps

# Learn more

- [Official Android documentation](#)
- [Get Android Studio](#)
- [Create App Icons with Image Asset Studio](#)
- [Official Android blog](#)
- [Android Developers blog](#)
- [Google I/O Codelabs](#)
- [Stack Overflow](#)
- [Android vocabulary](#)
- [Google Developer Training website](#)

# Learn even more

## Code

- [Source code for exercises on github](#)
- [Android code samples for developers](#)

## Videos

- [Android Developer YouTube channel](#)
- [Udacity online courses](#)

# What's Next?

- Concept Chapter: [1.4 Resources to help you learn](#)
- Practical: [1.4 Available resources](#)

# END