

## Homework #1

August 25, 2019

1. How much does it cost to be a developer who can publish on the Play store

Google has a \$25 registration fee to upload an app to its Play Store.

2. What percentage does Google keep of your Android app sales

The rate of 30% was reduced to 15%

3. What percentage does Apple keep of your IOS app sales

The rate of 30% was reduced to 15%.

4. How much does it cost to be a Kindle Fire Developer

There is a \$99 Developer Fee.

5. How many different, named OS versions are there for Android?

Approximately 17 versions

Code name	Version number	<u>Linux kernel</u> version <sup>[2]</sup>	Initial release date	API level	Ref.
No Codename	1.0	2.1	September 23, 2008	1	<sup>[3]</sup>
Petit Four	1.1	2.6	February 9, 2009	2	<sup>[3]</sup>
<u>Cupcake</u>	1.5	2.6.27	April 27, 2009	3	
<u>Donut</u>	1.6	2.6.29	September 15, 2009	4	<sup>[4]</sup>
<u>Eclair</u>	2.0 – 2.1	2.6.29	October 26, 2009	5 – 7	<sup>[5]</sup>
<u>Froyo</u>	2.2 – 2.2.3	2.6.32	May 20, 2010	8	<sup>[6]</sup>

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<a href="#"><u>Gingerbread</u></a>	2.3 – 2.3.7	2.6.35	December 6, 2010	9 – 10	<a href="#"><u>[7]</u></a>
<a href="#"><u>Honeycomb</u></a>	3.0 – 3.2.6	2.6.36	February 22, 2011	11 – 13	<a href="#"><u>[8]</u></a>
<a href="#"><u>Ice Cream Sandwich</u></a>	4.0 – 4.0.4	3.0.1	October 18, 2011	14 – 15	<a href="#"><u>[9]</u></a>
<a href="#"><u>Jelly Bean</u></a>	4.1 – 4.3.1	3.0.31 - 3.4.39	July 9, 2012	16 – 18	<a href="#"><u>[10]</u></a>
<a href="#"><u>KitKat</u></a>	4.4 – 4.4.4	3.10	October 31, 2013	19 – 20	<a href="#"><u>[11]</u></a>
<a href="#"><u>Lollipop</u></a>	5.0 – 5.1.1	3.16	November 12, 2014	21 – 22	<a href="#"><u>[12]</u></a>
<a href="#"><u>Marshmallow</u></a>	6.0 – 6.0.1	3.18	October 5, 2015	23	<a href="#"><u>[13]</u></a>
<a href="#"><u>Nougat</u></a>	7.0 – 7.1.2	4.4	August 22, 2016	24 – 25	<a href="#"><u>[14]</u></a>
<a href="#"><u>Oreo</u></a>	8.0 – 8.1	4.10	August 21, 2017	26 – 27	<a href="#"><u>[15]</u></a>
<a href="#"><u>Pie</u></a>	<b>9.0</b>	4.4.107, 4.9.84, and 4.14.42	August 6, 2018	28	<a href="#"><u>[16]</u></a>
<a href="#"><u>Android 10</u></a>	10.0			29	

Taken From: [https://en.wikipedia.org/wiki/Android\\_version\\_history](https://en.wikipedia.org/wiki/Android_version_history)

6. What is the current most popular OS being run by users?

Windows – Desktops and Laptops  
Android – Smartphones  
IOS – Tablets  
LINUX – Servers

7. What is an Activity in Android?

An Activity is a single application function within Android. It typically involves interaction with a single screen.

8. What are UI elements called in Android Studio (one word)?

Widgets

9. What is an APK?

An APK is a distributable packaged android module ready to be distributed and deployed on a device

10. What is an anonymous inner class?

An anonymous inner class is a class structure declared without a name. In some languages it is referred to as a lambda class.

11. What does setContentView function do?

It displays the contents of the XML layout to a device screen.

12. What is a Resource id in Android?

The Resource Id is a unique identifier for every resource defined to an application

13. What is the purpose of the Strings xml file in Android Studio Projects?

The Strings XML file defines String Resources within an Android project.

14. What does inflating a view do?

Inflating is typically used to dynamically build menus at runtime. The menus are defined as either XML or Java files then they are subsequently inflated to produce a runtime menu.

15. What is a toast in Android?

Toast sends a simple message to the screen. A default Toast message lasts only second on the screen.

16. Where did the term toasting as it applies to drinks come from (what practice/action)?

"The term *"toast"* itself originated in the 16th century. One of the first written accounts of it was in Shakespeare's *The Merry Wives of Windsor* when the character of Falstaff demands – "Go fetch me a quart of sack; put a toast in't." To translate, he's asking for a great deal of wine with a piece of (literal) toast in it. I can hear your disgusted outrage and objections to adding toast to

wine, but it was actually quite a common practice at the time. This is thought to be due to the quality of wine in the past- it was in many cases inferior to our modern vintages. Thus, placing a piece of toast within a jug was supposed to soak up some of the acidity and improve the flavour. This also had the side benefit of giving people something to do with a piece of stale bread, often spiced or with fruit embedded, that would improve the bread's palatability. Up until very recently in history, wasting food just wasn't something people tended to do, so finding ways to make stale bread taste good was fairly common- waste not, want not."

Taken from:

<http://www.todayifoundout.com/index.php/2013/05/the-origin-of-toasting-drinks/>