

Android User's Group #1

Android Basics





Agenda

1. What is Android?
2. Android Tour- Navigation & Settings
3. Open Q&A

What is Android?

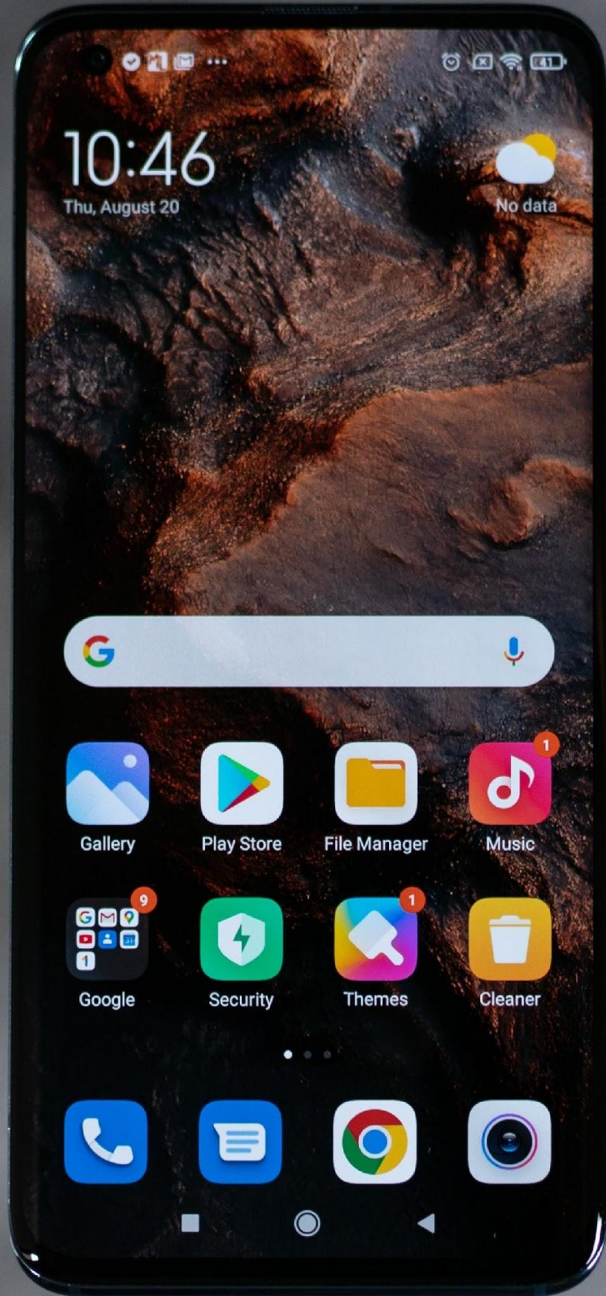
android



What is Android?

- Android is an open-source, mobile operating system created by Google.
- An Operating System (or OS) is the software that allows your computer to run.
- For example, many desktops and laptops have an Operating System called Windows.





Mobile Operating Systems

- The first popular tablets and smartphones were developed by Apple, which created a custom operating system called iOS.
- After the success of the iPad/iPhone, other companies wanted to sell mobile devices too. In response to the demand for an alternative operating system, Google purchased and developed an open-source OS called Android.

SAMSUNG

1+ ONEPLUS

oppo



motorola

Google

amazon



Understanding Android Differences



- **Variety in Android devices is due to several different factors.**
 - **Android OS Version: Kit-Kat, Jellybean, Lollipop, Marshmallow, Nougat?!**
 - **Developer differences: Samsung, HTC, LG**



Android Versions

- Unlike iOS, which exists only on the iPhone and is developed by one company, Android updates can be sporadic. Not all Androids will update to the newest version of Android at the same time, and some will never be able to update!
- It's not bad to own a device with an older version of Android- they still work well for simple tasks like sending texts, check emails and browsing the web. However, the device may not be compatible with current gen apps and won't receive important security updates.



Cupcake
1.5



Donut
1.6



Eclair
2.0/2.1



Froyo
2.2



Gingerbread
2.3



Honeycomb
3.0/3.1



Ice Cream Sandwich
4.0



Jelly Bean
4.1/4.2/4.3



KitKat
4.4



Lollipop
5.0



Marshmallow
6.0



Nougat
7.0



Oreo
8.0



Pie
9.0



android
10



android



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In addition, it's possible for brand new devices to ship with older Android software. That's why you can find Android phones and tablets that are very cheap- they are often running on older versions of Android!



Since Android phones are made by different companies, they may physically vary a lot from each other.

Differences include size, placement (or lack) of buttons, camera quality, screen quality, etc... (Samsung Galaxy S21 & Jitterbug 2).

This also affects how much storage the device has, microSD card availability and the charger.

Websites like <https://www.androidcentral.com/> and <https://www.androidauthority.com/> will review and rate Android models.



Understanding Android Apps

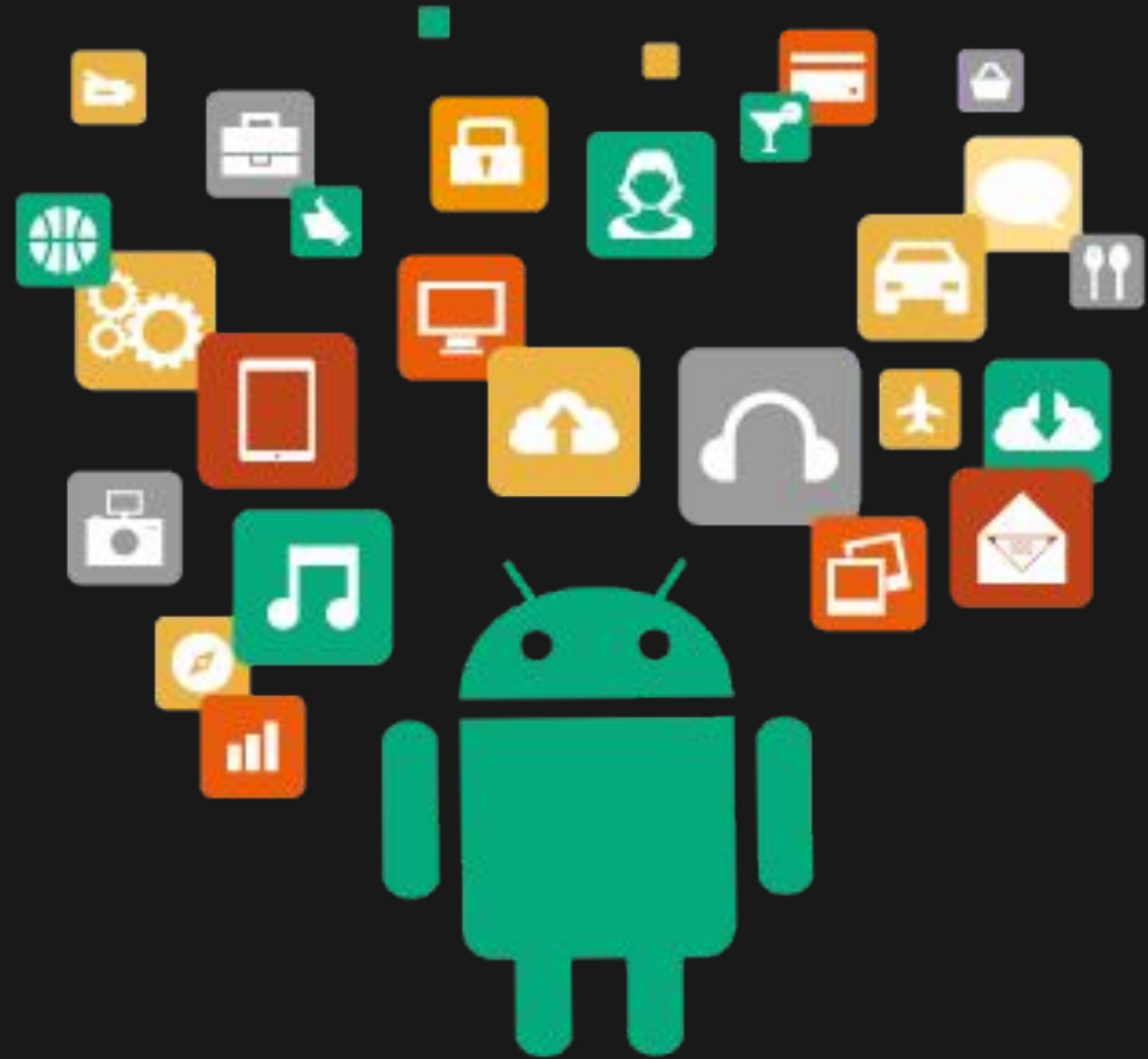


What are apps?



What are apps?



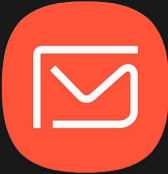



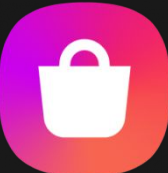

An app is a piece of software with a dedicated purpose such as checking email, going online, etc.

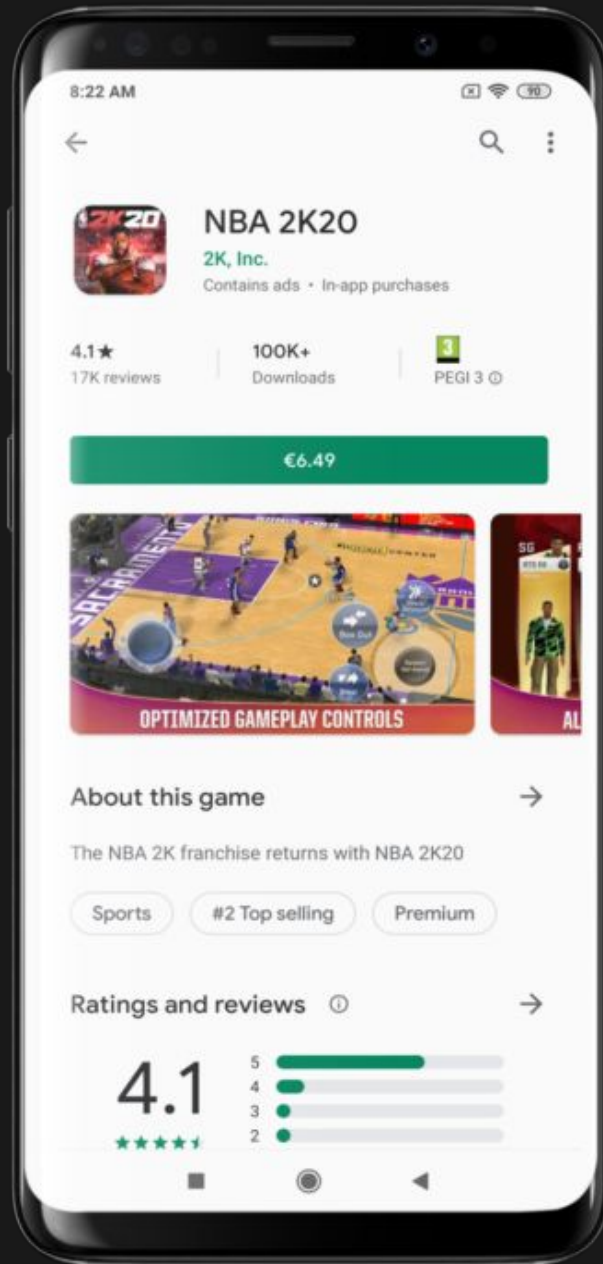


- **Android devices** are different than **Apple devices** because there are two companies involved in their creation:
 - **Software:** Google
 - **Hardware:** Samsung, LG, HTC, Huawei, Motorola, etc.
 - **The exception is the Google Pixel, which is made entirely by Google.**
- Both companies put apps on Android devices, often competing for the same purpose!



For example, on a Samsung device...

- **Internet:**  Browser  Google Chrome
- **Mail:**  Mail  Gmail
- **Photos:**  Gallery  Photos
- **Apps:**  Galaxy Apps  Playstore

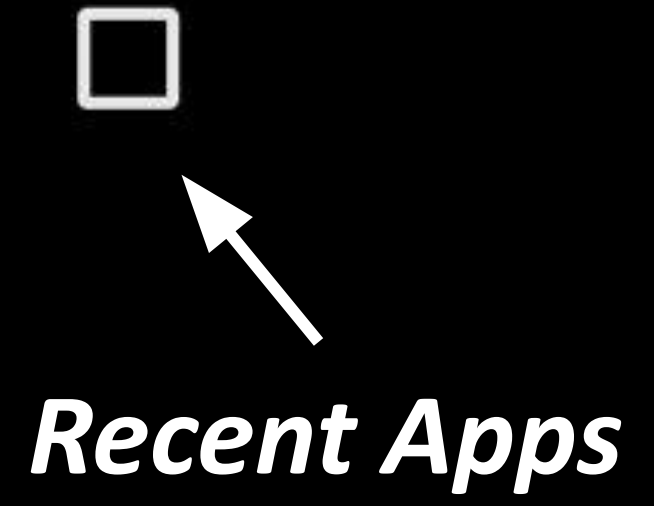
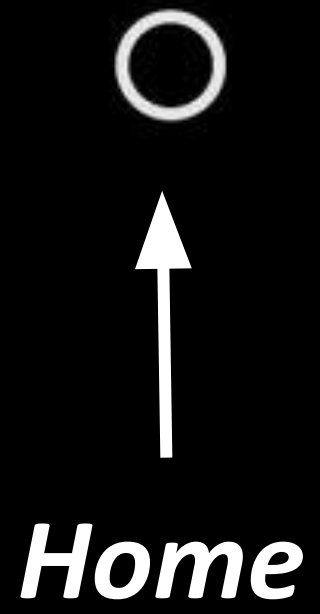
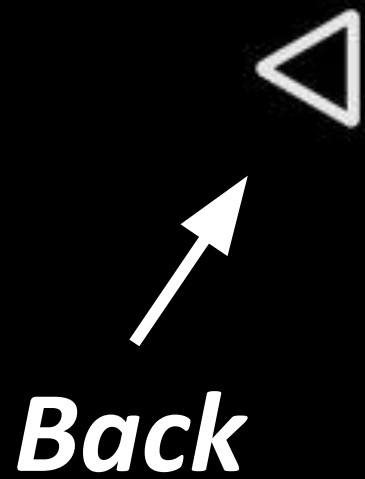


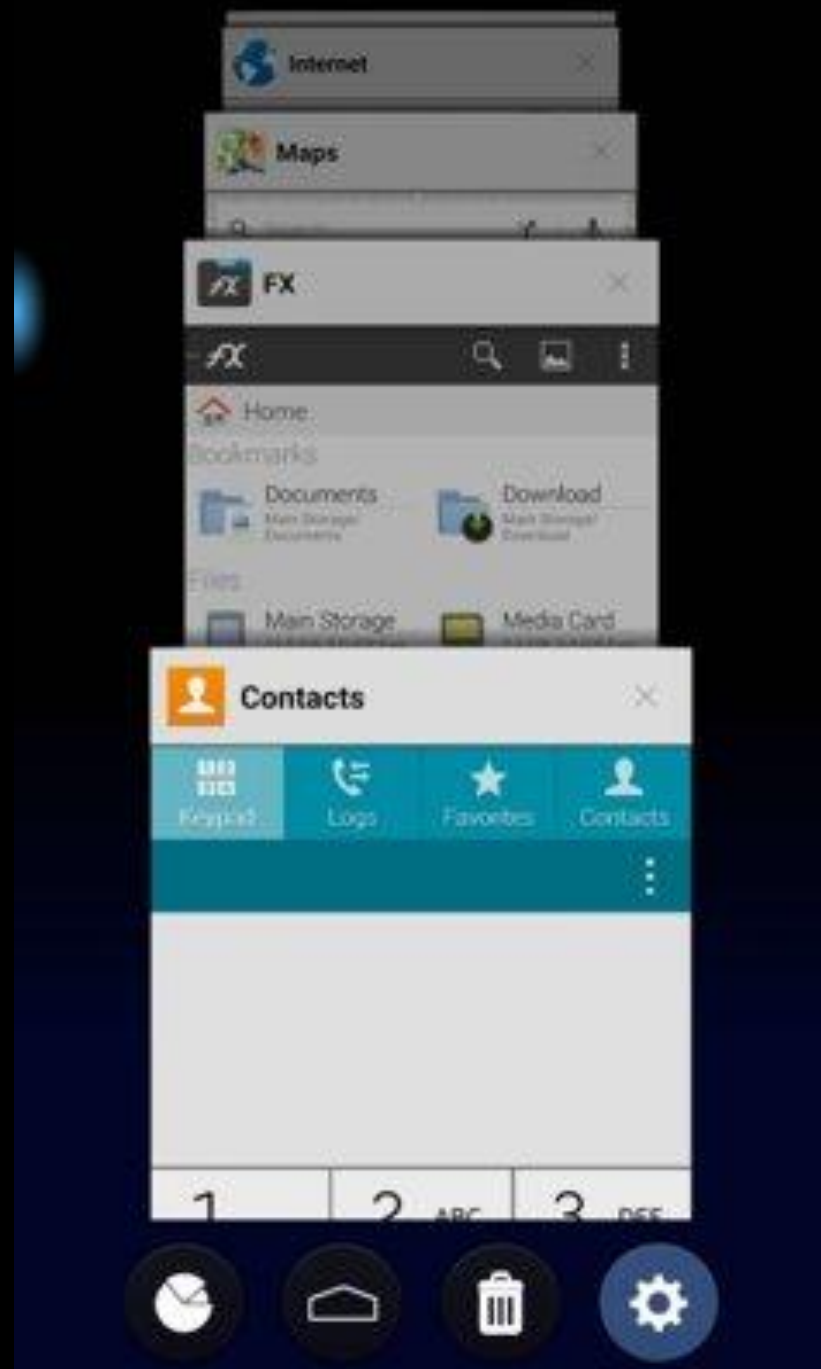
You can also add apps from third-party companies through the **Google Playstore**. Some of these apps are free, while others may have one-time, monthly or annual fees.

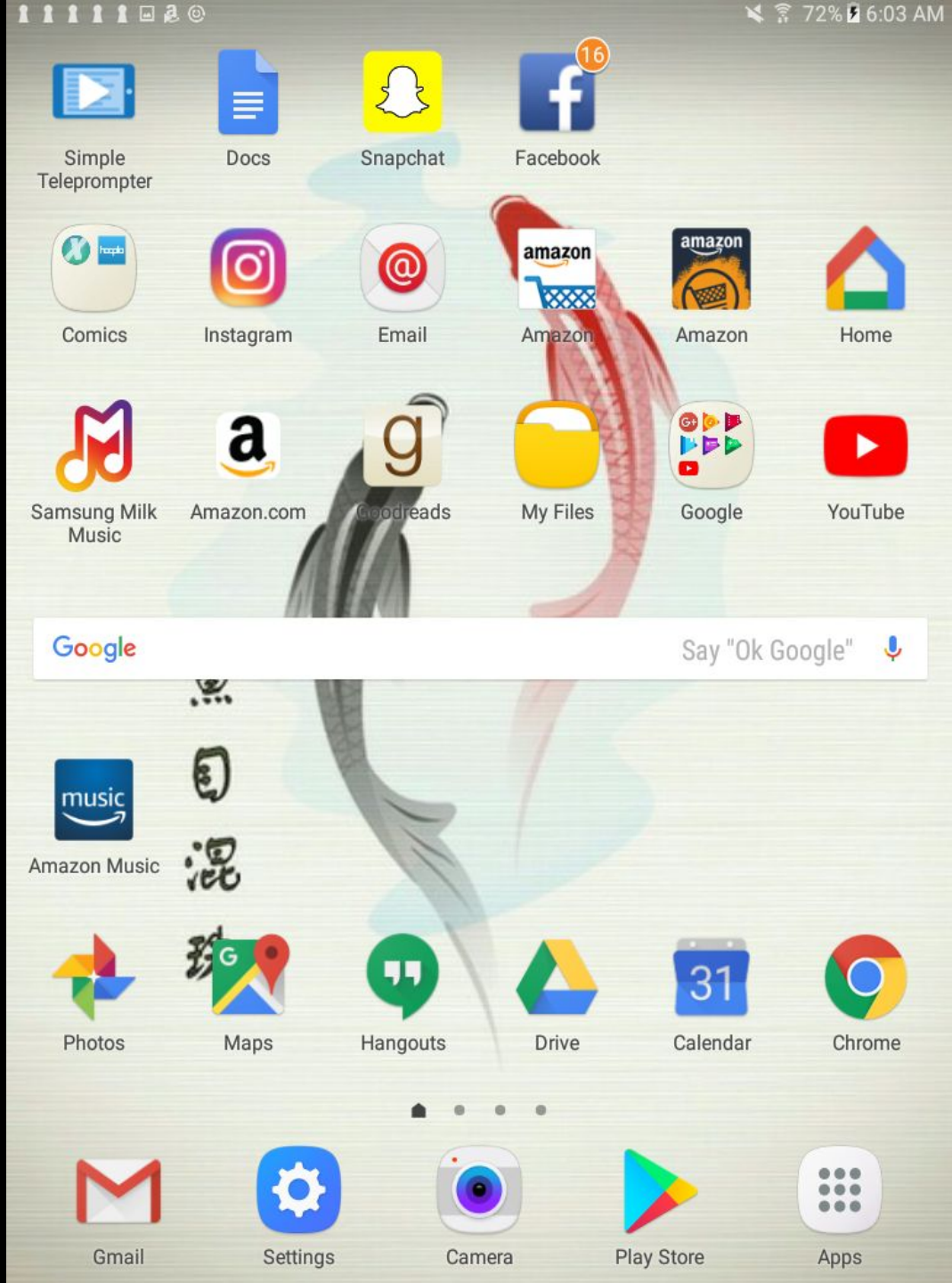


Basic Navigation







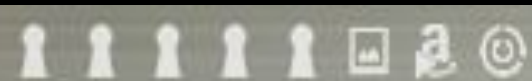


Top Bar

Apps

App Tray

Right side: *time, battery, data, Wi-Fi, etc.*



72% 6:03 AM



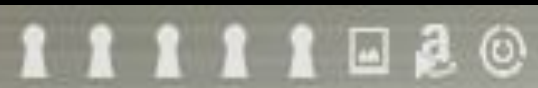
Simple
Teleprompter

Docs

Snapchat

Facebook


Left side: *Notifications*



Simple
Teleprompter



Docs



Snapchat



Facebook

6:03 AM Wed, October 4



Wi-Fi

TheDudeRe...



Location



Mute



Auto rotate



Bluetooth



Power saving



Airplane mode



Auto

Quick connect

Tap here to connect devices



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7/1/17

A new device accessed your Google Account

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Did you just sign in?

6/21/17

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