



Android



What is Android?

- Most popular mobile operating system (71% of Market)
 - Galaxy S7, Nexus 6P, Oneplus 3, etc.
 - Growing rapidly
- Created by Google back in 2008
- Android is now everywhere
 - Cars, TVs, Watches, etc.
- Latest version is 7.0 Nougat





Android Apps

- Play Store
- 2.2 million apps on the Play Store
 - o Facebook, Gmail, Snapchat, etc.
- Primarily written in Java
 - UI is written in XML
- Pre-Compiled since Android 5.0





Hackerspace Objective

- Teach you how to make an Android app from scratch
 - Android Studio
 - Material Design
 - Good practices
 - Popular Android libraries
 - How to upload to Play Store
- Clean coding style
- Java
 - Various data structures in Java
 - Strings, ArrayList
 - HashMap, HashSet









BasicApp

~/Desktop/AndroidProjects/BasicApp

android-2017

~/Desktop/Andro...cts/android-2017

HackIllinoisScavenger

~/Desktop/Androi...IllinoisScavenger

Interview2

~/Desktop/Androi...ojects/Interview2

BearTracks

~/Desktop/Androi...jects/BearTracks

InterestMatcher

~/Desktop/Andro...s/InterestMatcher

Lap Counter

~/Desktop/Androi...jects/LapCounter

Fontster

~/Desktop/AndroidProjects/Fontster

Welcome to Android Studio



Android Studio

Version 2.2 Beta (Al-145.3128856)

- X Start a new Android Studio project
- Den an existing Android Studio project
- Check out project from Version Control •
- Import project (Eclipse ADT, Gradle, etc.)











