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# Mobile: Plan for BJBU (week 34)

## Goal for this week

* Get a running Android Studio with Virtual Android Device
* Be able to use Android Studio for making very simple APP
deploy and running app it on Virtual device and Physic device
use UI designer for experience with UI controls lookout
use debug and device manage facilities
* You focus on getting familiar with the development environment

## Teachers plan for the Monday 17/8 in Odense and Wednesday 19/8 in Vejle

* Introduction to Specialization in general and Mobile in special
* Planning Odense & Vejle – Virtual Conference system……
* Java SE SDK
Install from USB or <http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>
* Android Studio
Install – from USB or <http://developer.android.com/sdk/index.html#top>
* Genimotion (Virtual Device) – run in VirtualBox
Install from <https://www.genymotion.com/#!/download>
* Short introduction to and discussion about Android
Slides: [androidbackground.pdf](http://bjoerks.net/klasser/Mobile_2014_Foraar/Materiale/androidbackground.pdf)  & [Android\_InItro01.pdf](http://bjoerks.net/klasser/Mobile_2014_Foraar/Materiale/Android_Intro01.pdf)
[Platform Versions](http://developer.android.com/resources/dashboard/platform-versions.html)
* Resouces
<http://developer.android.com/index.html>
- Training: <http://developer.android.com/training/index.html>
TheNewBoston – Android Video Tutorials
[Android App Development for Beginners Playlist - YouTube](https://www.youtube.com/playlist?list=PL6gx4Cwl9DGBsvRxJJOzG4r4k_zLKrnxl)
* Demo of making and run small counter app (use Blanc Activity template for project)
[SimpleCounterAppWithAndroidStudio\_201508170736.zip](http://bjoerks.net/klasser/Mobile_2015_Efteraar/materials/SimpleCounterAppWithAndroidStudio_201508170736.zip)

## Ideas for small apps

* Make a small calculator with 2 input fields and one for result – one button per each calculator function
* Make a small currency calculator
* Make a small BMI calculator

**Prepare yourself by before next week**

* View the video tutorial **1-12** & **18-20** from this playlist - <http://www.youtube.com/playlist?list=PL6gx4Cwl9DGBsvRxJJOzG4r4k_zLKrnxl>
* You might find these videos useful even if they are use with eclipse – the tool is the same started from Android Studio
They are in Danish – sorry
   [Andoid-pbs111: Debugging og afvikling af android apps i eclipse](http://www.youtube.com/watch?v=W-V-cRH47BY&feature=BFa&list=PL1757CA922F4D9E64&lf=BFa)
  [Andoid-pbs111: Brug af DDMS i eclipse til at kontrolere afvikling af applicationer](http://www.youtube.com/watch?v=kBq3g92IyBQ&list=PL1757CA922F4D9E64) (Android Device Monitor)