SDA 2018-2019 Matthew Fader

Assignment 1 – Oct 15, 2018

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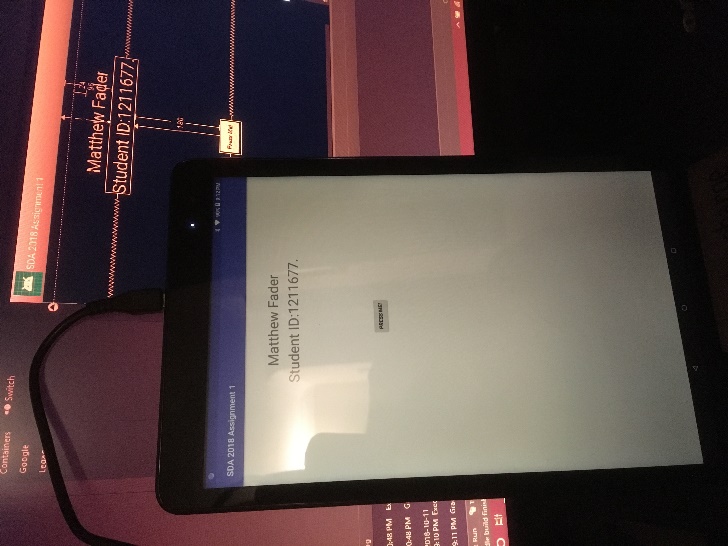
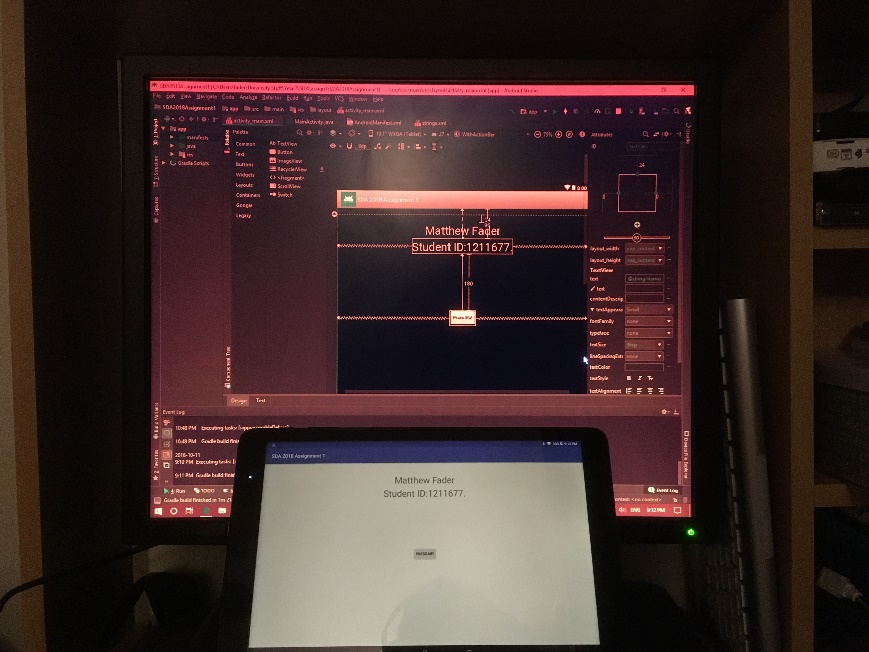
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## Task 1

Task one was surprisingly easy and kind of enjoyable. Seeing the hello world app run on my tablet was reassuring so then all I had to do it modify this app to do what the brief was asking me to do. The text was very clear in the instructions until android studio found a break in the link between the button and the string. I found that the string var was called mess\_1 in the string.xml when the button was looking for toast\_mess. Easy fix! Then I receive some hardcode events, so I did as studio recommend and made string vars in the string.xml file to link them too, that solved the problem, and runs well.



Reflective Post:

It’s exciting to see your work come to life and to work through some difficult problems. The course text is a great resource. I quickly found that android studio was user friendly and intuitively for me as I’ve used eclipse and XCode in the past. I was disappointed that AVD didn’t run correctly for me, this could be due to my older AMD CPU. If it lacks support for sse3 I may have to use a third-party emulator for future assignments. The first task of making SDA\_2018\_MatthewFader app was easy and really comforting that I had the skills to make a working app for myself. Learning and downloading all the different SDK, build tools, and Gradle updates was a very stressful part of this assignment as there was little direction.

A screenshot of a computer

Description generated with very high confidenceA screenshot of a computer

Description generated with very high confidence

## Task 2

A screenshot of a computer

Description generated with very high confidenceAVD wouldn’t run on my machine, there is little support for my AMD A6 3240m CPU for virtualization. I had errors related to hardware acceleration, they were then resolved with the installation of Windows Hypervisor. However, I was able to compile the app and launch the android virtual machine, but the device failed to launch the SKD on the virtual machine saying that sse3 is required to run the application. Below is the progress I had made. (Stackoverflow, 2014)

## Task 3

This is the signing and emailing the app task. Email hates \*.apk so I used my DCU google drive as suggested by Robert.

## Task 4

The issues were about three to four for this task as I couldn’t get anything to upload initially to GitHub. At first, I thought that I hadn’t linked my repository correctly, so I deleted it and redone all the steps again from scratch. No resolve there. Then I continued reading a per assignment brief and SDA course text, and learned how to “commit”, “add .” and “push”. This was only helpful up to the point where I committed the files as shown above. All the green text is the vim text editor that was launched leaving me with no idea how to escape or even abort. The only hint I had was the word Unix written along the bottom of the screen. I searched out the commands (Gite, 2017) and a lot of time later was able to add the comment to the commit and then push it there after successfully. Whole task took about 1.5 to 2 hours to sort out.

## 

fader@Hotness MINGW64 ~/University Stuff/Year 7/SDA/assign1 (master)

$ git add .

fader@Hotness MINGW64 ~/University Stuff/Year 7/SDA/assign1 (master)

$ commit

bash: commit: command not found

fader@Hotness MINGW64 ~/University Stuff/Year 7/SDA/assign1 (master)

$ git commit

hint: Waiting for your editor to close the file... 2 [sig] bash 20140! sigpacket::process: Suppressing signal 18 to win32 process (pid 11416)

Aborting commit due to empty commit message.

fader@Hotness MINGW64 ~/University Stuff/Year 7/SDA/assign1 (master)

$ git push

Everything up-to-date

fader@Hotness MINGW64 ~/University Stuff/Year 7/SDA/assign1 (master)

$ git status

On branch master

Your branch is up to date with 'origin/master'.

Changes to be committed:

(use "git reset HEAD <file>..." to unstage)

new file: SDA2018Assignment1/.gitignore

new file: SDA2018Assignment1/.idea/caches/build\_file\_checksums.ser

new file: SDA2018Assignment1/.idea/codeStyles/Project.xml

new file: SDA2018Assignment1/.idea/gradle.xml

new file: SDA2018Assignment1/.idea/misc.xml

new file: SDA2018Assignment1/.idea/runConfigurations.xml

new file: SDA2018Assignment1/app/.gitignore

new file: SDA2018Assignment1/app/build.gradle

new file: SDA2018Assignment1/app/eventlog.JPG

new file: SDA2018Assignment1/app/proguard-rules.pro

new file: SDA2018Assignment1/app/release/app-release.apk

new file: SDA2018Assignment1/app/release/output.json

new file: SDA2018Assignment1/app/src/androidTest/java/com/example/fader/sda2018assignment1/ExampleInstrumentedTest.java

new file: SDA2018Assignment1/app/src/main/AndroidManifest.xml

new file: SDA2018Assignment1/app/src/main/java/com/example/fader/sda2018assignment1/MainActivity.java

new file: SDA2018Assignment1/app/src/main/res/drawable-v24/ic\_launcher\_foreground.xml

new file: SDA2018Assignment1/app/src/main/res/drawable/ic\_launcher\_background.xml

new file: SDA2018Assignment1/app/src/main/res/layout/activity\_main.xml

new file: SDA2018Assignment1/app/src/main/res/mipmap-anydpi-v26/ic\_launcher.xml

new file: SDA2018Assignment1/app/src/main/res/mipmap-anydpi-v26/ic\_launcher\_round.xml

new file: SDA2018Assignment1/app/src/main/res/mipmap-hdpi/ic\_launcher.png

new file: SDA2018Assignment1/app/src/main/res/mipmap-hdpi/ic\_launcher\_round.png

new file: SDA2018Assignment1/app/src/main/res/mipmap-mdpi/ic\_launcher.png

new file: SDA2018Assignment1/app/src/main/res/mipmap-mdpi/ic\_launcher\_round.png

new file: SDA2018Assignment1/app/src/main/res/mipmap-xhdpi/ic\_launcher.png

new file: SDA2018Assignment1/app/src/main/res/mipmap-xhdpi/ic\_launcher\_round.png

new file: SDA2018Assignment1/app/src/main/res/mipmap-xxhdpi/ic\_launcher.png

new file: SDA2018Assignment1/app/src/main/res/mipmap-xxhdpi/ic\_launcher\_round.png

new file: SDA2018Assignment1/app/src/main/res/mipmap-xxxhdpi/ic\_launcher.png

new file: SDA2018Assignment1/app/src/main/res/mipmap-xxxhdpi/ic\_launcher\_round.png

new file: SDA2018Assignment1/app/src/main/res/values/colors.xml

new file: SDA2018Assignment1/app/src/main/res/values/strings.xml

new file: SDA2018Assignment1/app/src/main/res/values/styles.xml

new file: SDA2018Assignment1/app/src/test/java/com/example/fader/sda2018assignment1/ExampleUnitTest.java

new file: SDA2018Assignment1/build.gradle

new file: SDA2018Assignment1/gradle.properties

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new file: SDA2018Assignment1/gradle/wrapper/gradle-wrapper.properties

new file: SDA2018Assignment1/gradlew

new file: SDA2018Assignment1/gradlew.bat

new file: SDA2018Assignment1/settings.gradle

new file: SDA\_A1\_2018.pdf

new file: SDA\_A1\_2018\_MatthewFader.docx

new file: assignment 1 fonts.PNG

new file: assignment 1 settings.PNG

new file: database\_demo 1.PNG

new file: database\_demo 2.PNG

new file: hyper-v install.PNG

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new file: image2.jpeg

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new file: mapLocation/app/build/intermediates/blame/res/debug/single/drawable-xxhdpi.json

new file: mapLocation/app/build/intermediates/blame/res/debug/single/layout-land.json

new file: mapLocation/app/build/intermediates/blame/res/debug/single/layout.json

new file: mapLocation/app/build/intermediates/classes/debug/course/examples/maplocation/BuildConfig.class

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new file: mapLocation/app/build/intermediates/classes/debug/course/examples/maplocation/MapLocation.class

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new file: mapLocation/app/build/intermediates/classes/debug/course/examples/maplocation/R$drawable.class

new file: mapLocation/app/build/intermediates/classes/debug/course/examples/maplocation/R$id.class

new file: mapLocation/app/build/intermediates/classes/debug/course/examples/maplocation/R$layout.class

new file: mapLocation/app/build/intermediates/classes/debug/course/examples/maplocation/R$string.class

new file: mapLocation/app/build/intermediates/classes/debug/course/examples/maplocation/R.class

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new file: mapLocation/app/build/intermediates/transforms/instantRun/debug/folders/1/5/main/course/examples/maplocation/R$attr.class

new file: mapLocation/app/build/intermediates/transforms/instantRun/debug/folders/1/5/main/course/examples/maplocation/R$drawable.class

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new file: mapLocation/app/build/intermediates/transforms/instantRun/debug/folders/1/5/main/course/examples/maplocation/R$string.class

new file: mapLocation/app/build/intermediates/transforms/instantRun/debug/folders/1/5/main/course/examples/maplocation/R.class

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new file: mapLocation/app/build/intermediates/transforms/instantRunSlicer/debug/folders/1/5/slice\_1/com/android/tools/fd/dummy/slice\_1.class

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new file: mapLocation/app/build/intermediates/transforms/instantRunSlicer/debug/folders/1/5/slice\_9/course/examples/maplocation/R.class

new file: mapLocation/app/build/outputs/apk/app-debug.apk

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new file: mapLocation/app/src/main/res/drawable-xxhdpi/ic\_launcher.png

new file: mapLocation/app/src/main/res/layout-land/main.xml

new file: mapLocation/app/src/main/res/layout/main.xml

new file: mapLocation/app/src/main/res/values-it/strings.xml

new file: mapLocation/app/src/main/res/values/strings.xml

new file: mapLocation/build.gradle

new file: mapLocation/build/android-profile/profile-2018-10-09-21-24-55-649.rawproto

new file: mapLocation/build/android-profile/profile-2018-10-09-21-25-36-352.rawproto

new file: mapLocation/build/android-profile/profile-2018-10-09-21-26-33-307.rawproto

new file: mapLocation/build/android-profile/profile-2018-10-09-21-27-08-007.rawproto

new file: mapLocation/build/android-profile/profile-2018-10-09-21-30-19-783.rawproto

new file: mapLocation/build/android-profile/profile-2018-10-09-21-30-51-998.rawproto

new file: mapLocation/build/android-profile/profile-2018-10-09-21-32-25-551.rawproto

new file: mapLocation/build/intermediates/dex-cache/cache.xml

new file: mapLocation/gradle/wrapper/gradle-wrapper.jar

new file: mapLocation/gradle/wrapper/gradle-wrapper.properties

new file: mapLocation/gradlew

new file: mapLocation/gradlew.bat

new file: mapLocation/import-summary.txt

new file: mapLocation/local.properties

new file: mapLocation/mapLocation.iml

new file: mapLocation/settings.gradle

new file: ~$A\_A1\_2018\_MatthewFader.docx

new file: ~WRL0005.tmp

fader@Hotness MINGW64 ~/University Stuff/Year 7/SDA/assign1 (master)

$ git commit -a

[master 3fda2b7] all these files are to do with my app making.

235 files changed, 4451 insertions(+)

create mode 100644 SDA2018Assignment1/.gitignore

create mode 100644 SDA2018Assignment1/.idea/caches/build\_file\_checksums.ser

create mode 100644 SDA2018Assignment1/.idea/codeStyles/Project.xml

create mode 100644 SDA2018Assignment1/.idea/gradle.xml

create mode 100644 SDA2018Assignment1/.idea/misc.xml

create mode 100644 SDA2018Assignment1/.idea/runConfigurations.xml

create mode 100644 SDA2018Assignment1/app/.gitignore

create mode 100644 SDA2018Assignment1/app/build.gradle

create mode 100644 SDA2018Assignment1/app/eventlog.JPG

create mode 100644 SDA2018Assignment1/app/proguard-rules.pro

create mode 100644 SDA2018Assignment1/app/release/app-release.apk

create mode 100644 SDA2018Assignment1/app/release/output.json

create mode 100644 SDA2018Assignment1/app/src/androidTest/java/com/example/fader/sda2018assignment1/ExampleInstrumentedTest.java

create mode 100644 SDA2018Assignment1/app/src/main/AndroidManifest.xml

create mode 100644 SDA2018Assignment1/app/src/main/java/com/example/fader/sda2018assignment1/MainActivity.java

create mode 100644 SDA2018Assignment1/app/src/main/res/drawable-v24/ic\_launcher\_foreground.xml

create mode 100644 SDA2018Assignment1/app/src/main/res/drawable/ic\_launcher\_background.xml

create mode 100644 SDA2018Assignment1/app/src/main/res/layout/activity\_main.xml

create mode 100644 SDA2018Assignment1/app/src/main/res/mipmap-anydpi-v26/ic\_launcher.xml

create mode 100644 SDA2018Assignment1/app/src/main/res/mipmap-anydpi-v26/ic\_launcher\_round.xml

create mode 100644 SDA2018Assignment1/app/src/main/res/mipmap-hdpi/ic\_launcher.png

create mode 100644 SDA2018Assignment1/app/src/main/res/mipmap-hdpi/ic\_launcher\_round.png

create mode 100644 SDA2018Assignment1/app/src/main/res/mipmap-mdpi/ic\_launcher.png

create mode 100644 SDA2018Assignment1/app/src/main/res/mipmap-mdpi/ic\_launcher\_round.png

create mode 100644 SDA2018Assignment1/app/src/main/res/mipmap-xhdpi/ic\_launcher.png

create mode 100644 SDA2018Assignment1/app/src/main/res/mipmap-xhdpi/ic\_launcher\_round.png

create mode 100644 SDA2018Assignment1/app/src/main/res/mipmap-xxhdpi/ic\_launcher.png

create mode 100644 SDA2018Assignment1/app/src/main/res/mipmap-xxhdpi/ic\_launcher\_round.png

create mode 100644 SDA2018Assignment1/app/src/main/res/mipmap-xxxhdpi/ic\_launcher.png

create mode 100644 SDA2018Assignment1/app/src/main/res/mipmap-xxxhdpi/ic\_launcher\_round.png

create mode 100644 SDA2018Assignment1/app/src/main/res/values/colors.xml

create mode 100644 SDA2018Assignment1/app/src/main/res/values/strings.xml

create mode 100644 SDA2018Assignment1/app/src/main/res/values/styles.xml

create mode 100644 SDA2018Assignment1/app/src/test/java/com/example/fader/sda2018assignment1/ExampleUnitTest.java

create mode 100644 SDA2018Assignment1/build.gradle

create mode 100644 SDA2018Assignment1/gradle.properties

create mode 100644 SDA2018Assignment1/gradle/wrapper/gradle-wrapper.jar

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create mode 100644 SDA2018Assignment1/gradlew

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create mode 100644 SDA2018Assignment1/settings.gradle

create mode 100644 SDA\_A1\_2018.pdf

create mode 100644 SDA\_A1\_2018\_MatthewFader.docx

create mode 100644 assignment 1 fonts.PNG

create mode 100644 assignment 1 settings.PNG

create mode 100644 database\_demo 1.PNG

create mode 100644 database\_demo 2.PNG

create mode 100644 hyper-v install.PNG

create mode 100644 image1.jpeg

create mode 100644 image2.jpeg

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create mode 100644 mapLocation/.gradle/4.4.1/javaCompile/classAnalysis.bin

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create mode 100644 mapLocation/.idea/modules.xml

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create mode 100644 mapLocation/.idea/workspace.xml

create mode 100644 mapLocation/app/app.iml

create mode 100644 mapLocation/app/build.gradle

create mode 100644 mapLocation/app/build/generated/source/buildConfig/debug/course/examples/maplocation/BuildConfig.java

create mode 100644 mapLocation/app/build/generated/source/r/debug/course/examples/maplocation/R.java

create mode 100644 mapLocation/app/build/intermediates/blame/res/debug/multi/values-it.json

create mode 100644 mapLocation/app/build/intermediates/blame/res/debug/multi/values.json

create mode 100644 mapLocation/app/build/intermediates/blame/res/debug/single/drawable-hdpi.json

create mode 100644 mapLocation/app/build/intermediates/blame/res/debug/single/drawable-mdpi.json

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create mode 100644 mapLocation/app/build/intermediates/blame/res/debug/single/drawable-xxhdpi.json

create mode 100644 mapLocation/app/build/intermediates/blame/res/debug/single/layout-land.json

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create mode 100644 mapLocation/app/build/intermediates/classes/debug/course/examples/maplocation/BuildConfig.class

create mode 100644 mapLocation/app/build/intermediates/classes/debug/course/examples/maplocation/MapLocation$1.class

create mode 100644 mapLocation/app/build/intermediates/classes/debug/course/examples/maplocation/MapLocation.class

create mode 100644 mapLocation/app/build/intermediates/classes/debug/course/examples/maplocation/R$attr.class

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create mode 100644 mapLocation/app/build/intermediates/incremental-verifier/debug/course/examples/maplocation/MapLocation$1.class

create mode 100644 mapLocation/app/build/intermediates/incremental-verifier/debug/course/examples/maplocation/MapLocation.class

create mode 100644 mapLocation/app/build/intermediates/incremental-verifier/debug/course/examples/maplocation/R$attr.class

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create mode 100644 mapLocation/app/build/intermediates/incremental/mergeDebugShaders/merger.xml

create mode 100644 mapLocation/app/build/intermediates/incremental/packageDebug/dex-renamer-state.txt

create mode 100644 mapLocation/app/build/intermediates/incremental/packageDebug/file-input-save-data.txt

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create mode 100644 mapLocation/app/build/intermediates/incremental/packageInstantRunResourcesDebug/file-input-save-data.txt

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create mode 100644 mapLocation/app/build/intermediates/instant-run-support/debug/package\_slice\_0/dex-renamer-state.txt

create mode 100644 mapLocation/app/build/intermediates/instant-run-support/debug/package\_slice\_1/dex-renamer-state.txt

create mode 100644 mapLocation/app/build/intermediates/instant-run-support/debug/package\_slice\_2/dex-renamer-state.txt

create mode 100644 mapLocation/app/build/intermediates/instant-run-support/debug/package\_slice\_3/dex-renamer-state.txt

create mode 100644 mapLocation/app/build/intermediates/instant-run-support/debug/package\_slice\_4/dex-renamer-state.txt

create mode 100644 mapLocation/app/build/intermediates/instant-run-support/debug/package\_slice\_5/dex-renamer-state.txt

create mode 100644 mapLocation/app/build/intermediates/instant-run-support/debug/package\_slice\_6/dex-renamer-state.txt

create mode 100644 mapLocation/app/build/intermediates/instant-run-support/debug/package\_slice\_7/dex-renamer-state.txt

create mode 100644 mapLocation/app/build/intermediates/instant-run-support/debug/package\_slice\_8/dex-renamer-state.txt

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create mode 100644 mapLocation/app/build/intermediates/instant-run-support/debug/slice\_4/AndroidManifest.xml

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create mode 100644 mapLocation/app/build/intermediates/manifests/instant-run/debug/AndroidManifest.xml

create mode 100644 mapLocation/app/build/intermediates/res/merged/debug/drawable-hdpi/ic\_launcher.png

create mode 100644 mapLocation/app/build/intermediates/res/merged/debug/drawable-mdpi/ic\_launcher.png

create mode 100644 mapLocation/app/build/intermediates/res/merged/debug/drawable-xhdpi/ic\_launcher.png

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create mode 100644 mapLocation/app/build/intermediates/res/merged/debug/layout-land/main.xml

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create mode 100644 mapLocation/app/build/intermediates/res/merged/debug/values-it/values-it.xml

create mode 100644 mapLocation/app/build/intermediates/res/merged/debug/values/values.xml

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create mode 100644 mapLocation/app/build/intermediates/split-apk/debug/slices/slice\_0.apk

create mode 100644 mapLocation/app/build/intermediates/split-apk/debug/slices/slice\_1.apk

create mode 100644 mapLocation/app/build/intermediates/split-apk/debug/slices/slice\_2.apk

create mode 100644 mapLocation/app/build/intermediates/split-apk/debug/slices/slice\_3.apk

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create mode 100644 mapLocation/app/build/intermediates/split-apk/debug/slices/slice\_7.apk

create mode 100644 mapLocation/app/build/intermediates/split-apk/debug/slices/slice\_8.apk

create mode 100644 mapLocation/app/build/intermediates/split-apk/debug/slices/slice\_9.apk

create mode 100644 mapLocation/app/build/intermediates/transforms/dex/debug/folders/1000/10000/instant-run-bootstrap\_ad09ef33d2de7941c4ea8567d1bc1aa0ce25d1ee/classes.dex

create mode 100644 mapLocation/app/build/intermediates/transforms/dex/debug/folders/1000/10000/instant-run\_199d6461729377afe98756497f7dd4b3da756acb/classes.dex

create mode 100644 mapLocation/app/build/intermediates/transforms/dex/debug/folders/1000/5/slice\_0/classes.dex

create mode 100644 mapLocation/app/build/intermediates/transforms/dex/debug/folders/1000/5/slice\_1/classes.dex

create mode 100644 mapLocation/app/build/intermediates/transforms/dex/debug/folders/1000/5/slice\_2/classes.dex

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create mode 100644 mapLocation/app/build/intermediates/transforms/dex/debug/folders/1000/5/slice\_5/classes.dex

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create mode 100644 mapLocation/app/build/intermediates/transforms/dex/debug/folders/1000/5/slice\_9/classes.dex

create mode 100644 mapLocation/app/build/intermediates/transforms/instantRun/debug/folders/1/5/main/course/examples/maplocation/BuildConfig.class

create mode 100644 mapLocation/app/build/intermediates/transforms/instantRun/debug/folders/1/5/main/course/examples/maplocation/MapLocation$1.class

create mode 100644 mapLocation/app/build/intermediates/transforms/instantRun/debug/folders/1/5/main/course/examples/maplocation/MapLocation.class

create mode 100644 mapLocation/app/build/intermediates/transforms/instantRun/debug/folders/1/5/main/course/examples/maplocation/R$attr.class

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create mode 100644 mapLocation/app/build/intermediates/transforms/instantRun/debug/folders/1/5/main/course/examples/maplocation/R$id.class

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create mode 100644 mapLocation/app/build/intermediates/transforms/instantRunSlicer/debug/folders/1/5/slice\_0/com/android/tools/fd/dummy/slice\_0.class

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create mode 100644 mapLocation/app/build/intermediates/transforms/instantRunSlicer/debug/folders/1/5/slice\_2/com/android/tools/fd/dummy/slice\_2.class

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create mode 100644 mapLocation/app/build/intermediates/transforms/instantRunSlicer/debug/folders/1/5/slice\_9/course/examples/maplocation/BuildConfig.class

create mode 100644 mapLocation/app/build/intermediates/transforms/instantRunSlicer/debug/folders/1/5/slice\_9/course/examples/maplocation/MapLocation$1.class

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create mode 100644 mapLocation/app/build/intermediates/transforms/instantRunSlicer/debug/folders/1/5/slice\_9/course/examples/maplocation/R$attr.class

create mode 100644 mapLocation/app/build/intermediates/transforms/instantRunSlicer/debug/folders/1/5/slice\_9/course/examples/maplocation/R$drawable.class

create mode 100644 mapLocation/app/build/intermediates/transforms/instantRunSlicer/debug/folders/1/5/slice\_9/course/examples/maplocation/R$id.class

create mode 100644 mapLocation/app/build/intermediates/transforms/instantRunSlicer/debug/folders/1/5/slice\_9/course/examples/maplocation/R$layout.class

create mode 100644 mapLocation/app/build/intermediates/transforms/instantRunSlicer/debug/folders/1/5/slice\_9/course/examples/maplocation/R$string.class

create mode 100644 mapLocation/app/build/intermediates/transforms/instantRunSlicer/debug/folders/1/5/slice\_9/course/examples/maplocation/R.class

create mode 100644 mapLocation/app/build/outputs/apk/app-debug.apk

create mode 100644 mapLocation/app/build/outputs/logs/manifest-merger-debug-report.txt

create mode 100644 mapLocation/app/src/main/AndroidManifest.xml

create mode 100644 mapLocation/app/src/main/java/course/examples/maplocation/MapLocation.java

create mode 100644 mapLocation/app/src/main/res/drawable-hdpi/ic\_launcher.png

create mode 100644 mapLocation/app/src/main/res/drawable-mdpi/ic\_launcher.png

create mode 100644 mapLocation/app/src/main/res/drawable-xhdpi/ic\_launcher.png

create mode 100644 mapLocation/app/src/main/res/drawable-xxhdpi/ic\_launcher.png

create mode 100644 mapLocation/app/src/main/res/layout-land/main.xml

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create mode 100644 mapLocation/app/src/main/res/values-it/strings.xml

create mode 100644 mapLocation/app/src/main/res/values/strings.xml

create mode 100644 mapLocation/build.gradle

create mode 100644 mapLocation/build/android-profile/profile-2018-10-09-21-24-55-649.rawproto

create mode 100644 mapLocation/build/android-profile/profile-2018-10-09-21-25-36-352.rawproto

create mode 100644 mapLocation/build/android-profile/profile-2018-10-09-21-26-33-307.rawproto

create mode 100644 mapLocation/build/android-profile/profile-2018-10-09-21-27-08-007.rawproto

create mode 100644 mapLocation/build/android-profile/profile-2018-10-09-21-30-19-783.rawproto

create mode 100644 mapLocation/build/android-profile/profile-2018-10-09-21-30-51-998.rawproto

create mode 100644 mapLocation/build/android-profile/profile-2018-10-09-21-32-25-551.rawproto

create mode 100644 mapLocation/build/intermediates/dex-cache/cache.xml

create mode 100644 mapLocation/gradle/wrapper/gradle-wrapper.jar

create mode 100644 mapLocation/gradle/wrapper/gradle-wrapper.properties

create mode 100644 mapLocation/gradlew

create mode 100644 mapLocation/gradlew.bat

create mode 100644 mapLocation/import-summary.txt

create mode 100644 mapLocation/local.properties

create mode 100644 mapLocation/mapLocation.iml

create mode 100644 mapLocation/settings.gradle

create mode 100644 ~$A\_A1\_2018\_MatthewFader.docx

create mode 100644 ~WRL0005.tmp

fader@Hotness MINGW64 ~/University Stuff/Year 7/SDA/assign1 (master)

$ git commit -m 'this is the new hotness'

On branch master

Your branch is ahead of 'origin/master' by 1 commit.

(use "git push" to publish your local commits)

Changes not staged for commit:

modified: SDA\_A1\_2018\_MatthewFader.docx

no changes added to commit

fader@Hotness MINGW64 ~/University Stuff/Year 7/SDA/assign1 (master)

$ git push

Enumerating objects: 454, done.

Counting objects: 100% (454/454), done.

Delta compression using up to 4 threads

Compressing objects: 100% (254/254), done.

Writing objects: 100% (453/453), 7.56 MiB | 186.00 KiB/s, done.

Total 453 (delta 84), reused 0 (delta 0)

remote: Resolving deltas: 100% (84/84), done.

To https://github.com/mattfader/faderm\_assign1.git

0c1e729..3fda2b7 master -> master

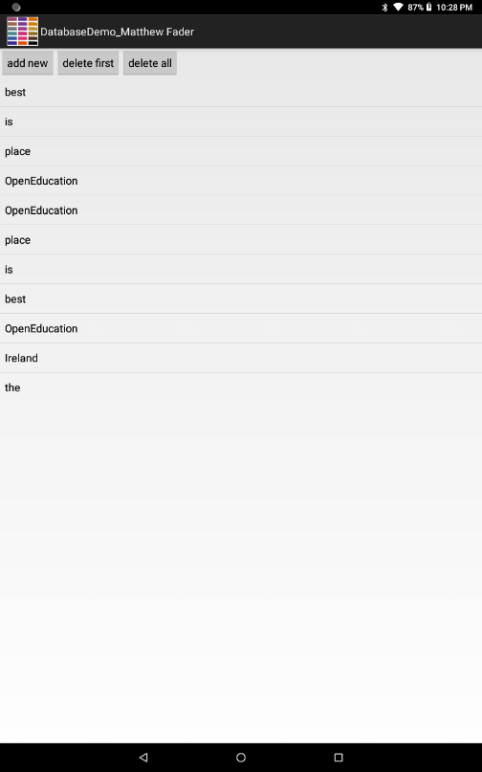
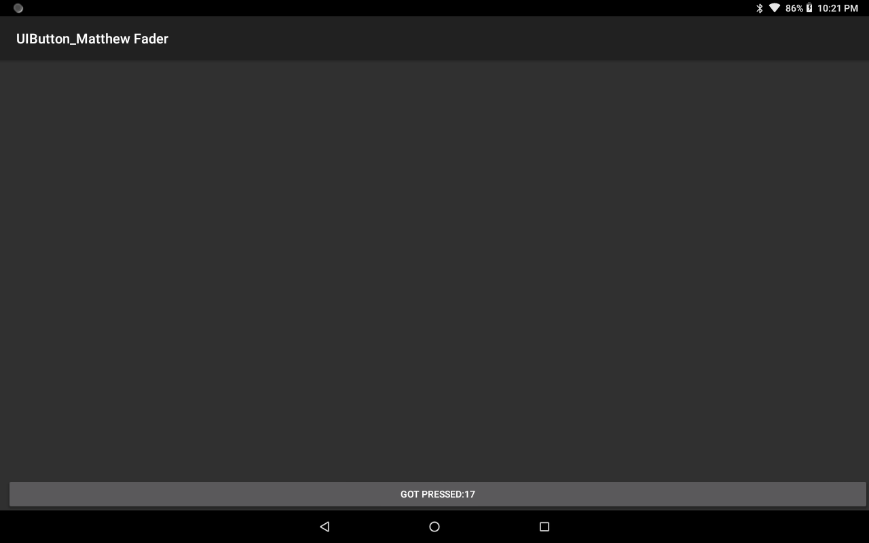
fader@Hotness MINGW64 ~/University Stuff/Year 7/SDA/assign1 (master)

## Task 5

Once I enabled maven to load UI\_Button and install android SDK 18 it gave me no errors, so I proceeded to change the file names of both projects in the AndroidManifest.xml file and then sent the project to build. Both projects built and launched successfully on device. But not prior to this all working so well I had a huge challenge trying to get database\_demo to launch on my android tablet as discussed below during the workshop.

Workshop

Initially during the workshop, I had an issue with what I thought to be a hardware recognition problem. But I found out soon after that android studio won’t show that your device is available for debugging mode unless the app itself can be built by Gradle first. Therefore, the app I was trying to run on my device wouldn’t even compile making me believe that my tablet wouldn’t work. After testing a brand-new project, the device showed up and launched to my relief. Then me Robert, Linda, and Gerald tried for what had to be nearly an hour and a half to get database\_demo to run. We had to employ the help of stackoverflow.com (Stackoverflow, 2017) following the multiple SDK and Gradle updates we eventually got the app to run on the tablet.



## Task 6

Once I found the bit of code I wrote it into the ButtonActivity.java file and tagged the string as mentioned. Here is the attached screen shot below.![A screenshot of a computer

Description generated with very high confidence](data:image/png;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4RBaRXhpZgAATU0AKgAAAAgAAodpAAQAAAABAAAIMuocAAcAAAgMAAAAJgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAB6hwABwAACAwAAAhEAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAD/4QmgaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLwA8P3hwYWNrZXQgYmVnaW49J++7vycgaWQ9J1c1TTBNcENlaGlIenJlU3pOVGN6a2M5ZCc/Pg0KPHg6eG1wbWV0YSB4bWxuczp4PSJhZG9iZTpuczptZXRhLyI+PHJkZjpSREYgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMTgtMTAtMTRUMTM6MDY6NDguOTk5PC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAFMBOkDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwDibe3lupvKgXe+1mxkDgAk9fYGo6vaJPDb6qr3MoijMciF2BIBaNlHQE9SO1aWk31rp8Xk/wBopGI7kSTGNJNt3Ft+4Pl+ow2B81dbbRgc/RXXaOzHRlnhkktrOGG4+0RtG+yRiDtO7G0nlRyc8cDmqUWo25fT2GpGCCCHAtwZUEcoU/Mdg6M3Uqd2G7UubUdjCS3le2kuFXMUTKrtkcFs4/kajrptS1qC4tdRhttQKeesDYBlCysqESDnJyTjluuOTXL002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## Task 7

Please watch the video at the address below. Watch full screen as resolution is low.

## <https://youtu.be/7Gh0OILC1zg>

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