***Introduction to Mobile Application and App Development.***

***ST10447706***

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***Practicum Exam.***

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**Break down of Exam.**

I am going to create an app that will contain a Splash screen, with my name, student number, name of my app,

**Purpose:**

**THE Temperature App**

**The main purpose of the app is 3 screens displaying the temperature of the days of the week .**

**The first screen will display:**

**A splash screen with my name, surname, student number , logo and name of the app.**

**My second screen with the use of parallel arrays will show the average temperature of the week for all 7 days**

**Furthermore, it will have a button “ navigate ” button rather that will allow the user when clicked to progress to the third and last screen.**

**It also consists of a clear button that will allow the user to clear information on the textView when the button is clicked.**

**The Assignment expects the student to code the following:**

**An app that will rely on an ‘ OnClickListener’.**

**The user is expected to go on Android Studio or the virtual machine on Azure lab services. I chose the Android Studio app because of the speed of the app, in comparison to the virtual machine.**

**How the Exam was put to completion .**

**Well, through the usage of the Android Studio app, i went on it and opened the empty views activity.**

**Thereafter, i named my file and was done with the first screen. I named it main activity,**

**The second part of the work i did, was that i right clicked on the ‘ File’.**

**With the multiple options i saw i clicked on the ‘ Empty Activity’.**

I **had to make 3 screens, so my splash screen was already created i just had to have 2 more, i right clicked on “ app” , then new to have my second screen then named it “ Main screen”**

**I did the same thing for my last screen then name it “ detail screen”**

**I later went to Micrososft , then Google to get my pictures.**

**I right clicked the pictures, saved them and copied them individually in my Drawables.**

**I named them again once copying and pasting them in their repectful places**

Splash Screen .

With my Splash screen, i did the following:

I used my first screen to do code my first page.

I designed my logo and made sure the color is compatible with the background and the textview.

I then dragged the Textview, start Button, and image view and dropped them.

I constrained them and changed the font to a condensed monospace.

Moreover, i changed the textsize and Background to how i wanted it to be .

I then went to the main activity of the Splash Screen to start coding the Splash Screen.

I declared the variables for the Textview, button and image and re-named them so that it could be refactored and identified by the main activity.

For that i used the findViewById .

Lastly, for my Splash Screen, i put the indent to that the Splash Screen could move to the second screen .

Main Screen

For my main screen, on my Activity Main i designed my interphase and background to make them compatible. I dragged and dropped by textview, and 2 buttons then constrained them accordingly.

Furthermore i proceeded to my Main Activity and then started coding my parallel arrays. I made sure using Learning unit 5 examples that i store all my calculations in my array and that they would be reflected in the textView. I used findViewById for the textView and the two buttons after refracting them. The first Button being the “Clear” which when clicked could erase information in the textView and the second being the “ Navigate ” button that when clicked would let the user go to the detailedScreen.

I used Intent for the navigate button , then there was the Detailed screen.

## Detailed Screen

With my detailed screen, i started with my activity Main screen to design my interphase then went to my Main Activity. I used loops to ensure that all the information in the table from the question paper would be displayed.

**The Read Me File is as follows** :

How to run your emulator:

1. Start BlueStacks

2. Click on the gear icon to open the settings

3. Look for Advanced.

4. You find enable ADB (Android Debug Bridge)

5. You will see a port number , take note of it. It is normally 5555 or 5554

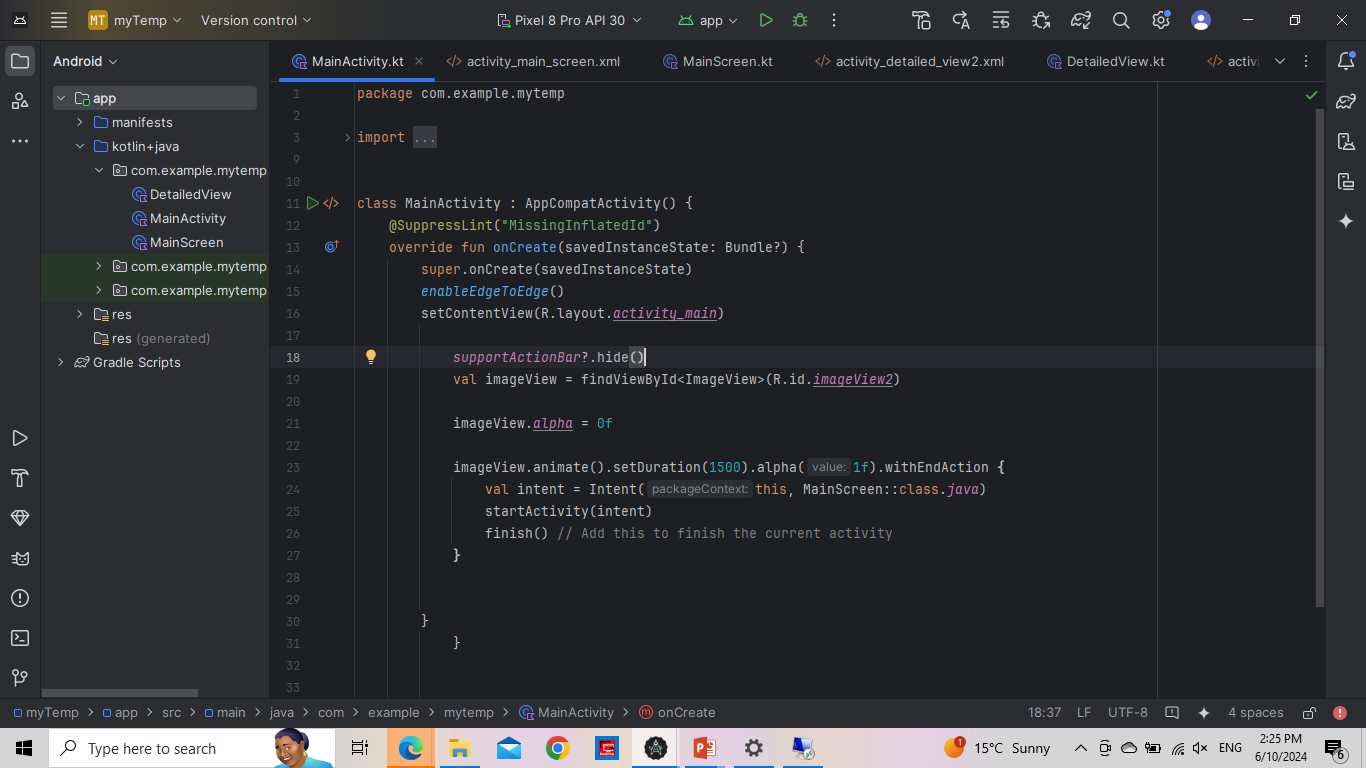
6. Double click on the emulator script on your desktop ( it has two little gears on it)

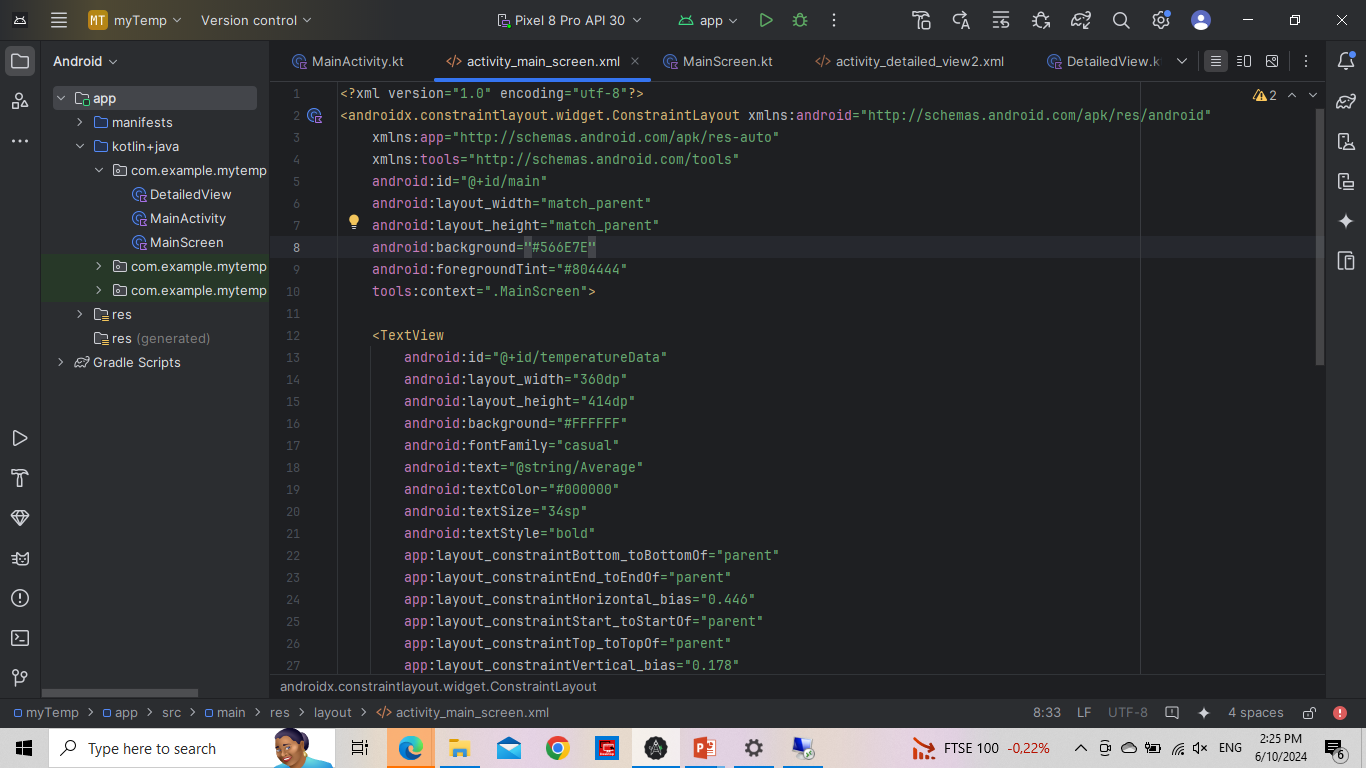
7. Enter your port number to connect the emulator the ADB.

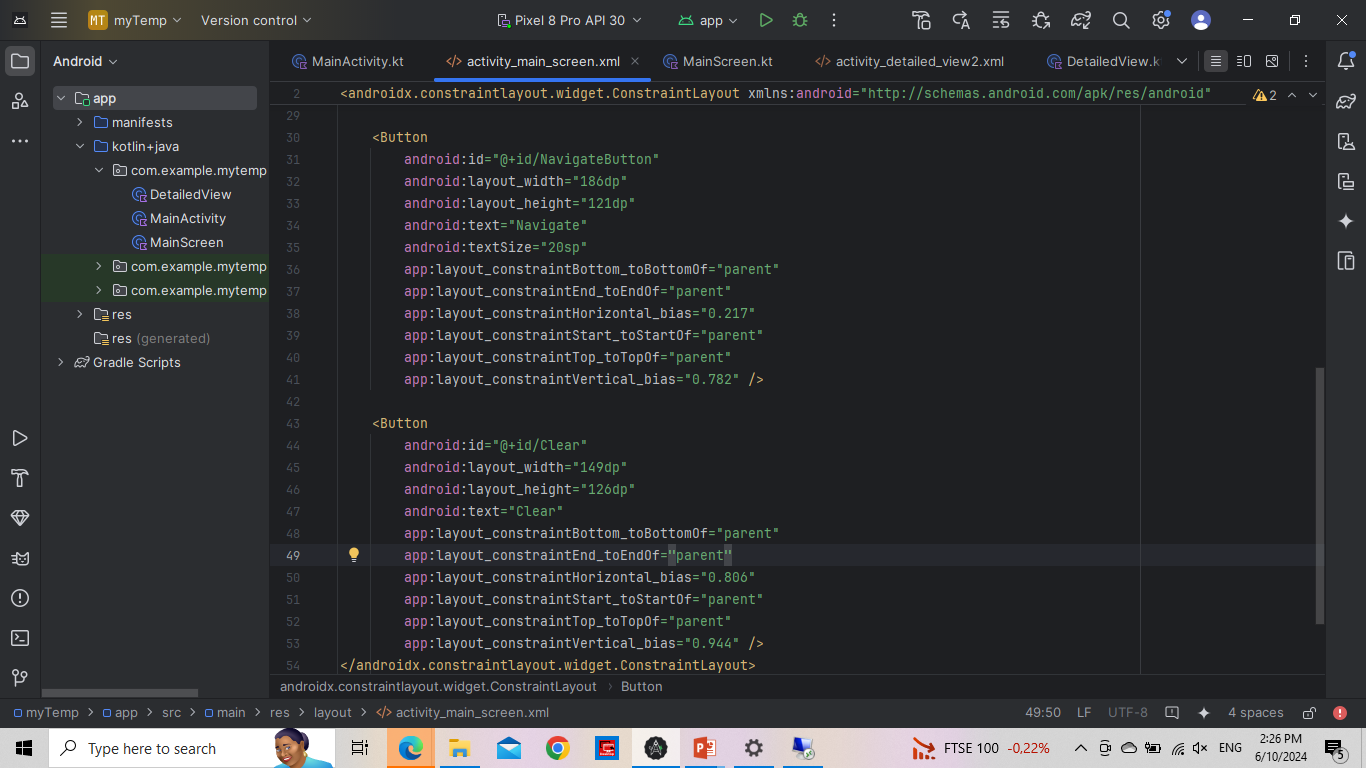
8. You can now open Android Studio / Visual Studio code and start coding and run your app.

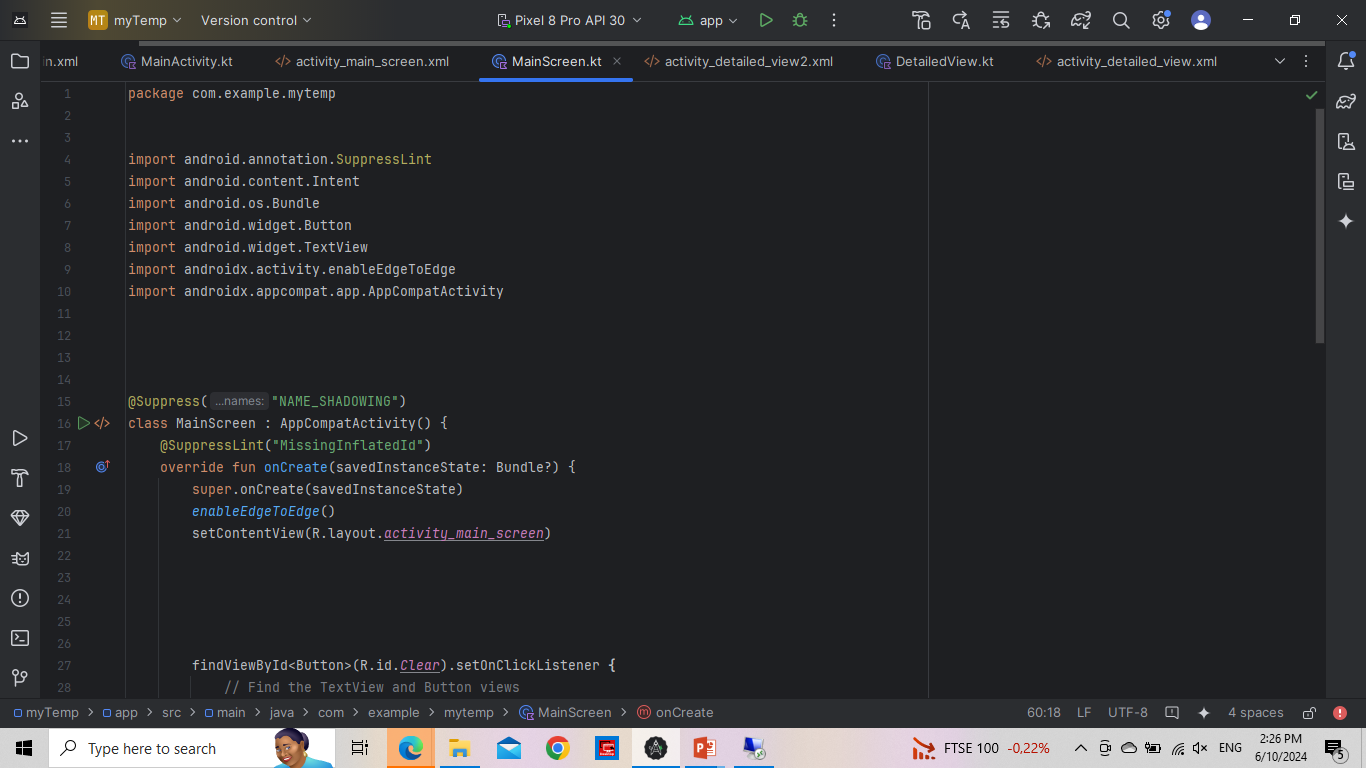
Enjoy mobile dev 😊

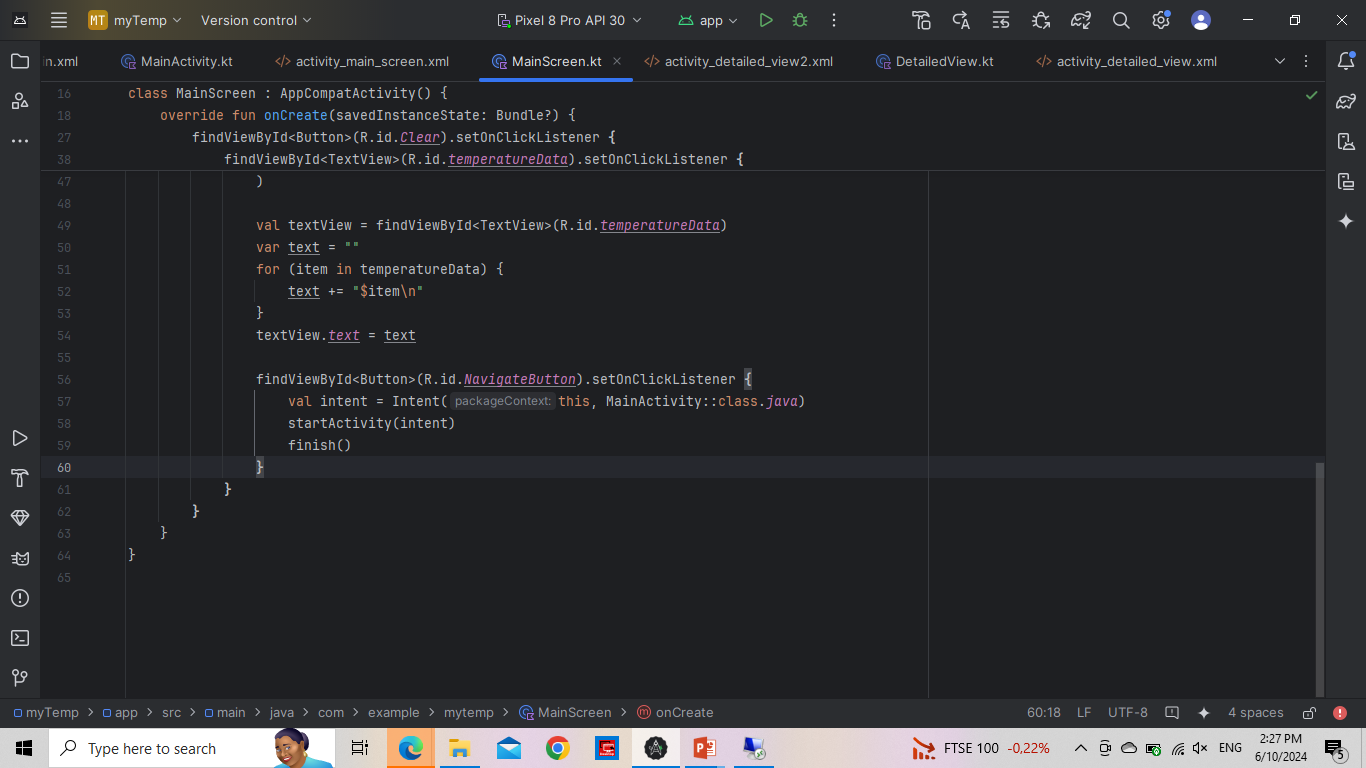
# Screenshots:











# References:

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