

# TASK GUIDE (A1X.08)

## A. Objectives.

Students know how to add image resource and make an ImageView.

## B. Requirements.

Hardware:

- 2 GB RAM minimum, 8 GB RAM recommended
- 2 GB of available disk space minimum, 4 GB Recommended (500 MB for IDE + 1.5 GB for Android SDK and emulator system image)
- 1280 x 800 minimum screen resolution
- Intel processor with support for Intel VT-x, Intel EM64T (Intel 64), and Execute Disable (XD) Bit functionality

Software:

- Microsoft Windows 7/8/10 (32-bit or 64-bit)
- JDK 8
- Android Studio IDE

## C. Resources.

Documents:

- Guide

Supplement files:

- temperature.jpg

Test code:

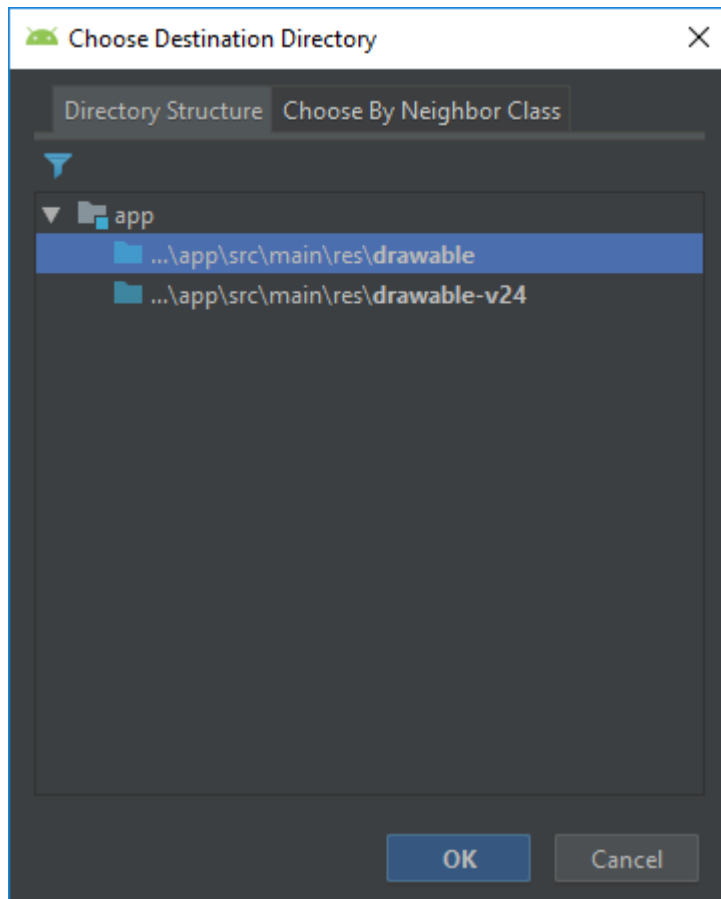
- TestA1BasicUIX081.java
- TestA1BasicUIX082.java

## D. Task Description.

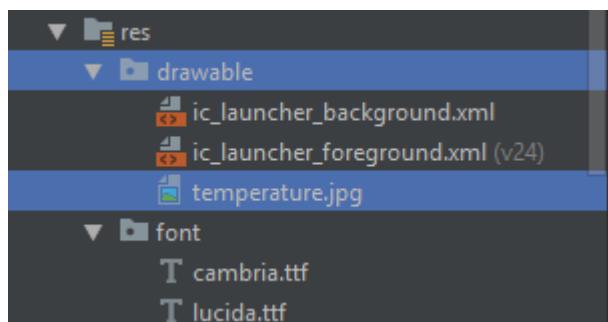
Student add image resource and start to design the interface with specified requirement and test it.

## E. Specification.

1. Open BasicAppX project that already test passed.
2. Copy file “temperature.jpg” in Supplement folder to “drawable” folder under “res” folder.



Choose “drawable” the click OK



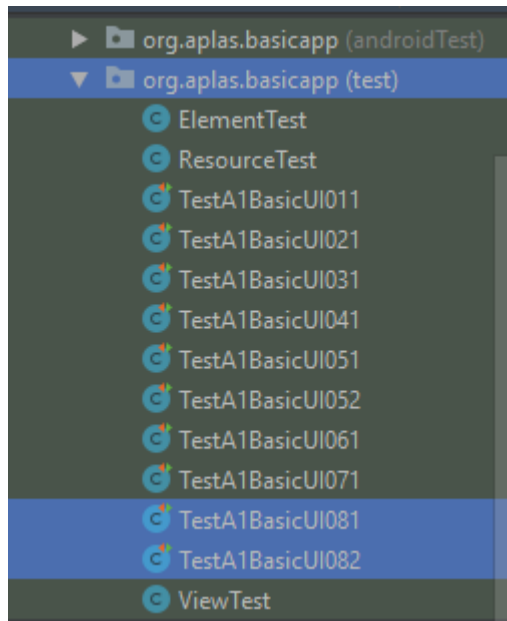
3. Open activity\_main.xml file, to start UI design.
4. Under TableLayout, create an ImageView with id “imgFormula” refer on the specification below.

name	value
id	imgFormula
layout width	match_parent
layout height	match_parent
src	@drawable/formula
layout below	table
layout top margin	1pt
layout center horizontal	true
visibility	invisible

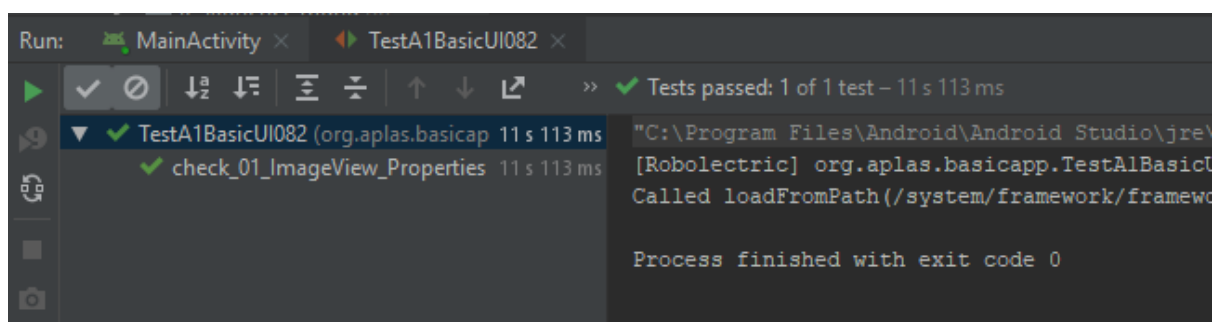
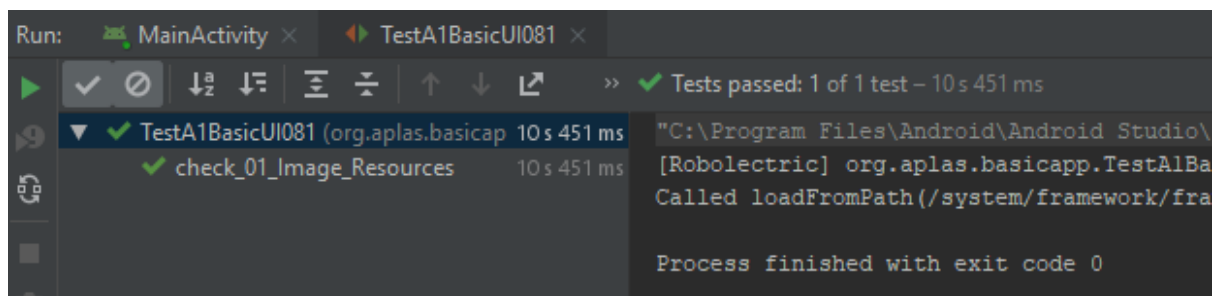
5. The result like below.



6. Copy “TestA1BasicUIX081.java” and “TestA1BasicUIX081.java” file to “org.aplas.basicappx (test)” folder.



7. Right click on each test file(s) then choose Run and click it. It may take long time to execute.
8. Get the result of your task. If passed you will get green check like below. If the test failed, you will get orange check get the messages and you must start your project again.



## F. Testing.

You have to try until get all green checks and continue to the next task.

