

# TASK GUIDE (A1X.07)

## A. Objectives.

Students know how to make RadioGroup and RadioButton.

## 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:

- None

Test code:

- TestA1BasicUIX071.java

## D. Task Description.

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

## E. Guidance

1. Open BasicAppX project that already test passed.
2. Open activity\_main.xml file, to start UI design.
3. Under LinearLayout “child2”, create a **RadioGroup** with id “radioGroup” refer on the specification in specification below.

name	value
id	radioGroup
layout width	match_parent
layout height	wrap_content
gravity	center
layout top margin	5pt
orientation	horizontal
layout below	child2

4. In the “radioGroup” tag, add 3 **RadioButton(s)** with id “rbTemp”, “rbDist”, and “rbWeight” refer on specification below.

### 1<sup>st</sup> RadioButton

name	value
id	rbTemp
layout width	wrap_content
layout height	wrap_content
text	@string/rbTemp
checked	true

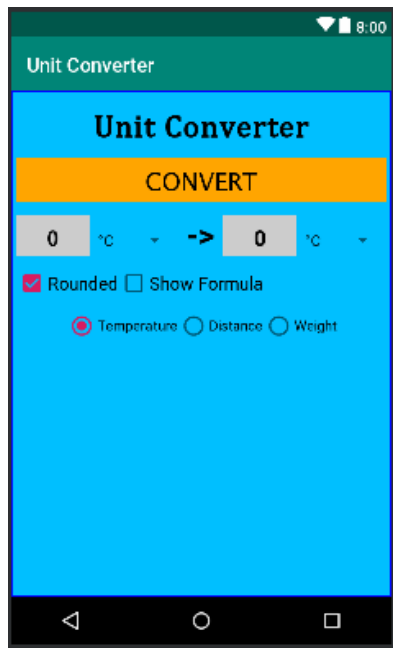
### 2<sup>nd</sup> RadioButton

name	value
id	rbDist
layout width	wrap_content
layout height	wrap_content
text	@string/rbDist

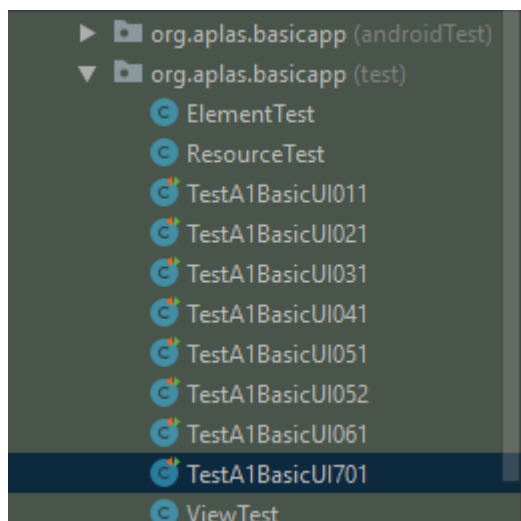
### 3<sup>rd</sup> RadioButton

name	Value
id	rbWeight
layout width	wrap_content
layout height	wrap_content
text	@string/rbWeight

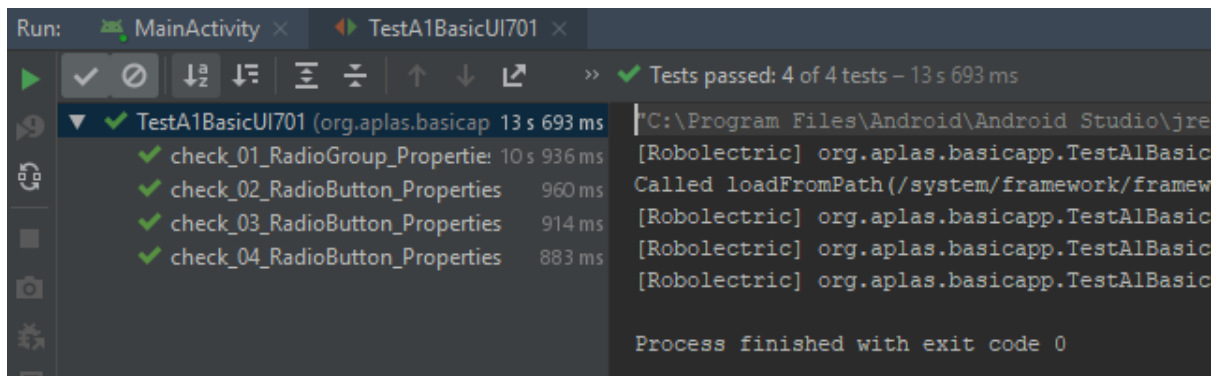
5. The result like below.



6. Copy “TestA1BasicUI071.java” file to “org.aplas.basicappx (test)” folder.



7. Right click on the “TestA1BasicUI071.java” file then choose Run ‘TestA1BasicUI071’ 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.