

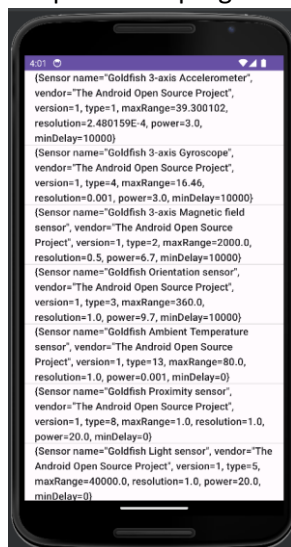
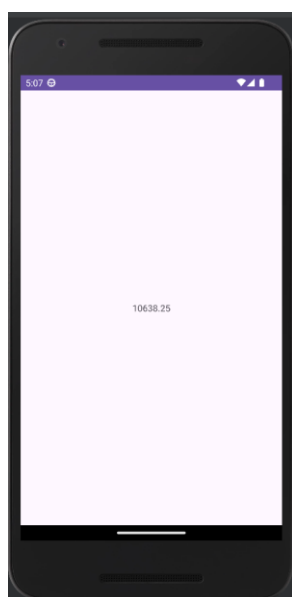


**UNIVERSITI MALAYSIA TERENGGANU**  
**NATIVE MOBILE PROGRAMMING**  
**CSM 3123**

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LAB : LAB 7  
LAB DATE : 21 DECEMBER 2023

**TASK 1: Get a list of sensors in android**

1. Create empty project (Java), named Lab7.
2. Open activity\_main.xml in code and design mode
3. Open MainActivity.java before onCreate method
4. Add the following inside onCreate method after setContentView(..)
  1. Map lv to resource lv  
lv = (ListView)findViewById(R.id.listView);
  2. Get sensor manger  
senseMan = (SensorManager) getSystemService(SENSOR\_SERVICE);
  3. Get sensor list and put inside ArrayList  
List<Sensor> sensorList=senseMan.getSensorList(Sensor.TYPE\_ALL);
  4. Put the sensor list into ListView  
lv.setAdapter(new ArrayAdapter<Sensor>(this, android.R.layout.simple\_list\_item\_1, sensorList));
5. Output of the program in the emulator:

**Task 2:**

**Submission**

Github Link:

<https://github.com/ilhamhanina/CSM3123NativeMobileProgramming.git>