public class MainActivity extends AppCompatActivity implements **SensorEventListener** {

private **SensorManager mgr**; private Sensor sensor;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

**mgr = (SensorManager)getSystemService(Context.SENSOR\_SERVICE);**

**sensor = mgr.getDefaultSensor(Sensor.TYPE\_LIGHT);**

**List<Sensor> deviceSensors = mgr.getSensorList(Sensor.TYPE\_ALL);**

}

@Override

**public final void onAccuracyChanged(Sensor sensor, int accuracy)** {

// Do something here if sensor accuracy changes.

}

@Override

**public final void onSensorChanged(SensorEvent event)** { // Do something with this sensor value.

}

@Override

**protected void onResume()** {

super.onResume();

**mgr.registerListener**(this, sensor, SensorManager.SENSOR\_DELAY\_NORMAL);

}

protected void onPause() {

super.onPause();

**mgr**.unregisterListener(this);

}}