

## Practical 22

1. Write a Program to demonstrate the use of broadcast receiver.

Xml Code :

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:background="#c3fc5c">
    <ListView
        android:id="@+id/listView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:dividerHeight="3dp"
        android:textAlignment="center"/>
</LinearLayout>
```

Java Code :

```
package com.example.sensor;
import java.util.List;
import android.content.Context;
import android.hardware.Sensor;
import android.hardware.SensorManager;
import android.os.Bundle;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
    SensorManager smm;
    List<Sensor> sensor;
    ListView lv;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        smm = (SensorManager) getSystemService(Context.SENSOR_SERVICE);
        lv = (ListView) findViewById(R.id.listView1);
        sensor = smm.getSensorList(Sensor.TYPE_ALL);
        lv.setAdapter(new ArrayAdapter<Sensor>(this, android.R.layout.simple_list_item_1, sensor));
    }
}
```

# Output:

