Activity\_main.xml

*<?***xml version="1.0" encoding="utf-8"***?>*

<**RelativeLayout xmlns:tools="http://schemas.android.com/tools"**

**xmlns:android="http://schemas.android.com/apk/res/android"**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent"**>

*<!-- Try giving absolute values here - 2, 3,etc for numColumns -->*

<**GridView**

**android:id="@+id/gridview1"**

**android:layout\_width="fill\_parent"**

**android:layout\_height="fill\_parent"**

**android:columnWidth="80dp"**

**android:gravity="center\_horizontal"**

**android:numColumns="auto\_fit"**

**android:stretchMode="columnWidth"** >

</**GridView**>

</**RelativeLayout**>

MainActivity.java

**package** com.example.jevitha.a9\_gridview;

**import** android.support.v7.app.AppCompatActivity;

**import** android.os.Bundle;

**import** android.view.View;

**import** android.widget.AdapterView;

**import** android.widget.ArrayAdapter;

**import** android.widget.GridView;

**import** android.widget.TextView;

**import** android.widget.Toast;

*// https://developer.android.com/reference/android/widget/GridView*

**public class** MainActivity **extends** AppCompatActivity **implements** AdapterView.OnItemClickListener {

GridView **gridView**;

**static final** String[] ***alphabets*** = **new** String[]{

**"A"**, **"B"**, **"C"**, **"D"**, **"E"**,

**"F"**, **"G"**, **"H"**, **"I"**, **"J"**,

**"K"**, **"L"**, **"M"**, **"N"**, **"O"**,

**"P"**, **"Q"**, **"R"**, **"S"**, **"T"**,

**"U"**, **"V"**, **"W"**, **"X"**, **"Y"**, **"Z"**,

**"A"**, **"B"**, **"C"**, **"D"**, **"E"**,

**"F"**, **"G"**, **"H"**, **"I"**, **"J"**,

**"K"**, **"L"**, **"M"**, **"N"**, **"O"**,

**"P"**, **"Q"**, **"R"**, **"S"**, **"T"**,

**"U"**, **"V"**, **"W"**, **"X"**, **"Y"**, **"Z"**

};

@Override

**protected void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main***);

**gridView** = (GridView) findViewById(R.id.***gridview1***);

*// Create adapter to set value for grid view*

ArrayAdapter<String> adapter = **new** ArrayAdapter<String>(**this**,

android.R.layout.***simple\_list\_item\_1***, ***alphabets***);

**gridView**.setAdapter(adapter);

**gridView**.setOnItemClickListener(**this**);

*/\* Another coding style to set the listener*

*gridView.setOnItemClickListener(new AdapterView.OnItemClickListener() {*

*@Override*

*public void onItemClick(AdapterView<?> parent, View v,*

*int position, long id) {*

*Toast.makeText(getApplicationContext(),*

*((TextView) v).getText() , Toast.LENGTH\_SHORT).show();*

*}*

*});\*/*

}

@Override

**public void** onItemClick(AdapterView<?> parent, View view, **int** position, **long** id) {

Toast.*makeText*(getApplicationContext(),

((TextView) view).getText()+**" Pos: "**+position, Toast.***LENGTH\_SHORT***).show();

}

}