

# Android Gridview Example

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### activity\_main.xml

File: activity\_main.xml

```
<GridView xmlns:android="http://schemas.android.com/apk/res/android"

    android:id="@+id/gridView1"

    android:numColumns="auto_fit"

    android:gravity="center"

    android:columnWidth="50dp"

    android:stretchMode="columnWidth"

    android:layout_width="fill_parent"

    android:layout_height="fill_parent" >


</GridView>
```

### Activity class

File: MainActivity.java

```
package com.example.gridview;

import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.GridView;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends Activity {

    GridView gridView;

    static final String[] numbers = new String[] {

        "1", "2", "3", "4", "5",

        "6", "7", "8", "9", "10",};

    @Override
    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        gridView = (GridView) findViewById(R.id.gridView1);

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

            android.R.layout.simple_list_item_1, numbers);

        gridView.setAdapter(adapter);

        gridView.setOnItemClickListener(new OnItemClickListener() {

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

                Toast.makeText(getApplicationContext(),((TextView) view).getText(), Toast.LENGTH_LONG).show();

            }

        });

    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {

        // Inflate the menu; this adds items to the action bar if it is present.

        getMenuInflater().inflate(R.menu.activity_main, menu);

        return true;

    }

}
```