GridView Example:

1. activity_main.xml

```xml
<GridView xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/gridView1"
    android:numColumns="2"
    android:gravity="center"
    android:columnWidth="50dp"
    android:stretchMode="columnWidth"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent" >
</GridView>
```

2. MainActivity.java

```java
package com.training.gridviewexample;

import androidx.appcompat.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;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        GridView gridView=(GridView) findViewById(R.id.gridView1);
        final String []numbers= new
String[]{"1","2","3","4","5","6","7","8","9","10"};

        ArrayAdapter<String> adapter=new ArrayAdapter<String>
                (this, android.R.layout.simple_list_item_2,numbers);

        gridView.setAdapter(adapter);
        gridView.setOnItemClickListener(new
AdapterView.OnItemClickListener() {

            @Override
            public void onItemClick(AdapterView<?> parent, View view,
int position,long id) {
                Toast.makeText(getApplicationContext(),((TextView)
view).getText(), Toast.LENGTH_SHORT).show();
            }
```

```
        });
    }
}
```

3. Output