**Activitymain.xml**

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

<RelativeLayout 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">

<GridView

android:id="@+id/simpleGridView"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:numColumns="2"

android:gravity="center"

android:horizontalSpacing="10dp"

android:verticalSpacing="10dp"

android:stretchMode="columnWidth"

/>

<GridView

android:id="@+id/simpleGridView2"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:numColumns="2"

android:gravity="center"

android:horizontalSpacing="10dp"

android:verticalSpacing="10dp"

android:stretchMode="columnWidth"

/>

</RelativeLayout>

**MainActivity.java**

package com.example.gridimage;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.Gravity;

import android.view.View;

import android.widget.AdapterView;

import android.widget.GridView;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

GridView simpleGridView, simpleGridView2;

int[] images = {R.drawable.img, R.drawable.img,R.drawable.img, R.drawable.img, R.drawable.img, R.drawable.img};

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

simpleGridView = (GridView) this.findViewById(R.id.simpleGridView);

ImageAdapter imageAdapter = new ImageAdapter(this, images);

simpleGridView.setAdapter(imageAdapter);

simpleGridView.setOnItemClickListener(new AdapterView.OnItemClickListener() {

@Override

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

Toast toast = Toast.makeText(MainActivity.this, "Image clicked: " + position, Toast.LENGTH\_LONG);

toast.setGravity(Gravity.CENTER, 30, 150);

toast.show();

}

});

}

}

**Second.java**

package com.example.gridimage;

import android.content.Context;

import android.view.View;

import android.view.ViewGroup;

import android.widget.BaseAdapter;

import android.widget.ImageView;

class ImageAdapter extends BaseAdapter {

private Context context;

private int[] images;

public ImageAdapter(Context context, int[] images) {

this.context = context;

this.images = images;

}

@Override

public int getCount() {

return images.length;

}

@Override

public Object getItem(int position) {

return null;

}

@Override

public long getItemId(int position) {

return 0;

}

@Override

public View getView(int position, View convertView, ViewGroup parent) {

ImageView imageView;

if (convertView == null) {

imageView = new ImageView(context);

imageView.setLayoutParams(new ViewGroup.LayoutParams(200, 200));

imageView.setScaleType(ImageView.ScaleType.CENTER\_CROP);

imageView.setPadding(8, 8, 8, 8);

} else {

imageView = (ImageView) convertView;

}

imageView.setImageResource(images[position]);

return imageView;

}

}

