Activity\_main.xml  
  
<?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"

android:orientation="vertical"

tools:context=".MainActivity">

<GridView

android:id="@+id/grid"

android:numColumns="auto\_fit"

android:stretchMode="columnWidth"

android:layout\_width="409dp"

android:layout\_height="729dp" />

</LinearLayout>

MainActivity.javapackage com.example.imagegridview;

import android.content.Context;

import android.os.Bundle;

import android.view.View;

import android.view.ViewGroup;

import android.widget.BaseAdapter;

import android.widget.GridView;

import android.widget.ImageView;

import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

String[] fruitNames = {"Apple", "Mango", "Cherry", "Lemon"};

int[] fruitImages = {R.drawable.apple, R.drawable.mango, R.drawable.cherry, R.drawable.lemon};

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

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

ImageAdapter imageAdapter = new ImageAdapter(this, fruitNames, fruitImages);

gridView.setAdapter(imageAdapter);

gridView.setOnItemClickListener((parent, view, position, id) ->

Toast.makeText(MainActivity.this, "You've clicked " + fruitNames[position], Toast.LENGTH\_SHORT).show());

}

private static class ImageAdapter extends BaseAdapter {

private Context mContext;

private String[] mFruitNames;

private int[] mFruitImages;

public ImageAdapter(Context context, String[] fruitNames, int[] fruitImages) {

mContext = context;

mFruitNames = fruitNames;

mFruitImages = fruitImages;

}

@Override

public int getCount() {

return mFruitImages.length;

}

@Override

public Object getItem(int position) {

return mFruitImages[position];

}

@Override

public long getItemId(int position) {

return position;

}

@Override

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

ImageView imageView;

if (convertView == null) {

imageView = new ImageView(mContext);

imageView.setLayoutParams(new GridView.LayoutParams(350, 350));

} else {

imageView = (ImageView) convertView;

}

imageView.setImageResource(mFruitImages[position]);

return imageView;

}

}

}

