Java code

MainActivity.java

package com.example.gridviewimage;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.app.AlertDialog;  
import android.os.Bundle;  
import android.widget.GridView;  
  
  
public class MainActivity extends AppCompatActivity {  
 GridView gd;  
 int[] img={R.drawable.*flo*,R.drawable.*g*,R.drawable.*nature*};  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 gd=(GridView) findViewById(R.id.*gd1*);  
 gd.setAdapter(new ImageAdapter(this, img));  
  
 gd.setOnItemClickListener((parent,view,position,id)->  
 new AlertDialog.Builder(this)  
 .setTitle("Selected Image")  
 .setMessage("You selected image "+(position +1))  
 .setPositiveButton("OK",(dialog,which)->dialog.dismiss())  
 .create()  
 .show());  
 }  
}

ImageAdapter.java

package com.example.gridviewimage;  
  
import android.content.Context;  
import android.view.View;  
import android.widget.BaseAdapter;  
import android.widget.GridView;  
import android.widget.ImageView;  
  
public class ImageAdapter extends BaseAdapter {  
 Context mcontext;  
 int img[];  
 public ImageAdapter(android.content.Context context, int[] imageslist) {  
 mcontext=context;  
 img=imageslist;  
 }  
  
 public int getCount()  
 {  
 return img.length;  
 }  
  
 public Object getItem(int position)  
 {  
 return null;  
 }  
  
 public long getItemId(int position)  
 {  
 return 0;  
 }  
 public View getView(int position, View convertView, android.view.ViewGroup parent)  
 {  
 ImageView iv;  
 if(convertView == null)  
 {  
 iv = new ImageView(mcontext);  
 iv.setLayoutParams(new GridView.LayoutParams(200,200));  
 iv.setScaleType(ImageView.ScaleType.*CENTER\_CROP*);  
 }  
 else {  
 iv=(ImageView) convertView;  
 }  
 iv.setImageResource(img[position]);  
 return iv;  
 }  
  
}

xml code

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout 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/gd1"  
 android:layout\_width="356dp"  
 android:layout\_height="486dp"  
 android:gravity="center"  
 android:horizontalSpacing="10dp"  
 android:numColumns="3"  
 android:verticalSpacing="10dp"  
 android:visibility="visible"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.49"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.497" />  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Grid View using images"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.467"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.081" />  
</androidx.constraintlayout.widget.ConstraintLayout>

Output

