```xml
<?xml version="1.0" encoding="utf-8"?>
<GridView 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:id="@+id/gridview"
    android:numColumns="auto_fit"
    android:columnWidth="90dp"
    android:verticalSpacing="6dp"
    android:horizontalSpacing="6dp"
    android:stretchMode="columnWidth"
    android:gravity="center"
    tools:context=".MainActivity">



</GridView>
```

MAIN ACTIVITY

```java
package com.example.gridview;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.GridView;

public class MainActivity extends AppCompatActivity {
    GridView  gv;
    String[] gridViewString={"pic1","pic2","pic3","pic4","pic5","pic6","pic7"};
    public int

imgarray[]={R.drawable.a,R.drawable.b,R.drawable.c,R.drawable.d,R.drawable.e,R.
drawable.f,R.drawable.g};

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        imageadapter imageAdapter=new
imageadapter(this,R.layout.lview,gridViewString,imgarray);
        gv=findViewById(R.id.gridview);
        gv.setAdapter(imageAdapter);
        gv.setOnItemClickListener(new AdapterView.OnItemClickListener() {
            @Override
```

```java
            public void onItemClick(AdapterView<?> parent, View view, int
position, long id) {
                AlertDialog.Builder bldr;
                bldr=new AlertDialog.Builder(MainActivity.this);
                bldr.setTitle("Title");
                AlertDialog alrt=bldr.create();
                alrt.setMessage(gridViewString[position]);
                alrt.show();


            }
        });


    }
}
```

IMAGEADAPTER

```java
package com.example.gridview;

import android.content.Context;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ArrayAdapter;
import android.widget.ImageView;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.annotation.Nullable;

public class imageadapter  extends ArrayAdapter {

    private Context mContext;
    private String gvstring[];
    private int imgarray[];
    LayoutInflater inflator=null;

    public imageadapter(@NonNull Context c, int resource,String s[],int x[]) {
        super(c, resource);
        mContext=c;
        gvstring=s;
        imgarray=x;
        inflator=LayoutInflater.from(c);
    }
    @Override

    public int getCount(){
        return imgarray.length;
    }
```

```java
    @Nullable
    @Override
    public Object getItem(int position) {
        return 0;
    }
    public View getView(int position, View convertView, ViewGroup parent) {
        if (convertView == null)
            convertView = inflator.inflate(R.layout.lview, null);
        TextView country = (TextView) convertView.findViewById(R.id.tv1);
        ImageView icon = (ImageView) convertView.findViewById(R.id.imgv1);
        icon.setImageResource(imgarray[position]);
        country.setText(gvstring[position]);
        return convertView;
    }

}
```

LVIEW

```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:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent">


    <ImageView
        android:id="@+id/imgv1"
        android:layout_width="90dp"
        android:layout_height="90dp"
        android:scaleType="fitXY"
        android:layout_marginTop="15dp" />

    <TextView
        android:id="@+id/tv1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="20dp"
        android:textColor="#68489F"
        android:textStyle="italic|bold"
        android:layout_marginTop="10dp"
         />

</LinearLayout>
```

gridimage

pic1   pic2   pic3   pic4

pic5   pic6   pic7