

Program No:15

Aim: Program to develop an application that use GridView with images and display Alert box on selection

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

<androidx.constraintlayout.widget.ConstraintLayout

xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout_width="match_parent"

android:layout_height="match_parent"

tools:context=".MainActivity">

<!-- android:numColumns=2 is the number of columns for

Grid View android:horizontalSpacing is the space between

horizontal grid items.-->

<GridView

android:id="@+id/idGVcourses"

android:layout_width="match_parent"

android:layout_height="match_parent"

android:horizontalSpacing="6dp" android:numColumns="2"

android:verticalSpacing="6dp" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

Java Code:

```
package com.example.myapplication;

import androidx.annotation.NonNull;

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

import android.content.DialogInterface;
import android.content.Intent;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity3 extends
AppCompatActivity
{
    ImageView i;

    AlertDialog.Builder builder;

    AlertDialog alertDialog;

    Button b;

    //option

    menu
```

```

@Override public boolean
onCreateOptionsMenu(Menu menu) {

    getMenuInflater().inflate(R.menu.menu, menu);

    return true;

    //return super.onCreateOptionsMenu(menu);

}

@Override public boolean onOptionsItemSelected(@NonNull
MenuItem item) { item.setIcon(R.drawable.about);

    //i=findViewById(R.id.imageView);

    TextView t=findViewById(R.id.textView4);
    //handle item selection

    switch
    (item.getItemId())    {

    case R.id.it3:

        builder=new AlertDialog.Builder(MainActivity3.this);

        builder.setMessage("Do you want to
        close?").setTitle("AlertDialog").setPositiveButton("OK", new
        DialogInterface.OnClickListener() {

        @Override

        public void onClick(DialogInterface dialog, int
        which)

        {

        finish();

        }

```

```

    });

    setNegativeButton("Cancel", new DialogInterface.OnClickListener()
    {
        @Override

        public void onClick(DialogInterface dialog, int which) {

            dialog.dismiss();

        }

    });

    alertDialog=builder.create

    e(); alertDialog.show();

    return true; case R.id.it4:

    builder=new AlertDialog.Builder(MainActivity3.this);

    View

    popupView=getLayoutInflater().inflate(R.layout.popup1,null

    );

    builder.setView(popupView);

    alertDialog=builder.create();

    alertDialog.show(

    ); return true;

    default:

    return super.onOptionsItemSelected(item);

    }

    }

    @Override protected void onCreate(Bundle

```

```
savedInstanceState) {  
  
super.onCreate(savedInstanceState);  
  
setContentView(R.layout.activity_main3);  
  
}}
```

Popup.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">  
  
<ImageView  
  
android:id="@+id/imageView2"  
  
android:layout_width="wrap_content" a  
  
ndroid:layout_height="wrap_content"  
  
android:layout_weight="1"  
  
android:src="@drawable/help" />  
  
<TextView  
  
android:id="@+id/textView3"  
  
android:layout_width="wrap_contet"  
  
android:layout_height="wrap_contet
```

```
android:layout_weight="1"
```

```
android:text="help" />
```

```
</LinearLayout>
```

Menu.xml

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

```
<menu xmlns:app="http://schemas.android.com/apk/res-auto"
```

```
xmlns:android="http://schemas.android.com/apk/res/android">
```

```
<item android:id="@+id/i3"
```

```
android:title="Alert" />
```

```
<item
```

```
android:id="@+id/it4"
```

```
android:title="Pop Up" />
```

```
</menu>
```

Output:

