



Create an Android app using ImageView to show a picture using Linear Layout and try to design a basic gallery.

- **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:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="match_parent"
        android:layout_height="151dp"
        tools:srcCompat="@tools:sample/avatars" />

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="314dp">

        <Button
            android:id="@+id/kochi_btn"
            android:layout_width="125dp"
            android:layout_height="73dp"
            android:layout_alignParentStart="true"
            android:layout_alignParentTop="true"
            android:layout_alignParentEnd="true"
            android:layout_alignParentBottom="true"
            android:layout_marginStart="135dp"
            android:layout_marginTop="10dp"
            android:layout_marginEnd="150dp"
            android:layout_marginBottom="231dp"
            android:text="Kochi" />

        <Button
            android:id="@+id/doga_btn"
            android:layout_width="125dp"
```



```
android:layout_height="73dp"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_marginStart="135dp"
android:layout_marginTop="85dp"
android:layout_marginEnd="150dp"
android:layout_marginBottom="156dp"
android:text="Doga" />
```

<Button

```
android:id="@+id/babu_btn"
android:layout_width="125dp"
android:layout_height="73dp"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_marginStart="135dp"
android:layout_marginTop="161dp"
android:layout_marginEnd="150dp"
android:layout_marginBottom="80dp"
android:text="Babu" />
```

<Button

```
android:id="@+id/reset_btn"
android:layout_width="125dp"
android:layout_height="73dp"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_marginStart="135dp"
android:layout_marginTop="237dp"
android:layout_marginEnd="150dp"
android:layout_marginBottom="4dp"
android:text="NO IMG" />
```

</RelativeLayout>

<LinearLayout



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

        <TextView
            android:id="@+id/kochi_txt"
            android:layout_width="match_parent"
            android:layout_height="32dp"
            android:text="Number of time hit Kochi" />

        <TextView
            android:id="@+id/kochi_ct"
            android:layout_width="match_parent"
            android:layout_height="32dp"
            android:text="0" />

        <TextView
            android:id="@+id/doga_txt"
            android:layout_width="match_parent"
            android:layout_height="32dp"
            android:text="Number of time hit Doga" />

        <TextView
            android:id="@+id/doga_ct"
            android:layout_width="match_parent"
            android:layout_height="32dp"
            android:text="0" />

        <TextView
            android:id="@+id/babu_txt"
            android:layout_width="match_parent"
            android:layout_height="32dp"
            android:text="Number of time hit Babu" />

        <TextView
            android:id="@+id/babu_ct"
            android:layout_width="match_parent"
            android:layout_height="32dp"
            android:text="0" />
    </LinearLayout>
</LinearLayout>
```



- **MainActivity.java**

```
package com.example.imageview;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {
    Button btn_kochi, btn_doga, btn_babu, btn_reset;
    ImageView img;
    TextView ct_kochi, ct_doga, ct_babu;

    private int kochiCount = 0;
    private int dogoCount = 0;
    private int babuCount = 0;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        img = findViewById(R.id.imageView);

        btn_kochi = findViewById(R.id.kochi_btn);
        btn_doga = findViewById(R.id.doga_btn);
        btn_babu = findViewById(R.id.babu_btn);
        btn_reset = findViewById(R.id.reset_btn);
        ct_kochi= findViewById(R.id.kochi_ct);
        ct_doga= findViewById(R.id.doga_ct);
        ct_babu = findViewById(R.id.babu_ct);

        // Set initial text for counters
        ct_babu.setText(String.valueOf(babuCount));
        ct_doga.setText(String.valueOf(dogaCount));
        ct_babu.setText(String.valueOf(babuCount));

        // Button click listener for Kochi
```



```
btn_kochi.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        img.setImageResource(R.drawable.kochi);  
        kochiCount++;  
        ct_kochi.setText(String.valueOf(kochiCount));  
    }  
});
```

```
// Button click listener for Doga  
btn_doga.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        img.setImageResource(R.drawable.doga);  
        dogoCount++;  
        ct_doga.setText(String.valueOf(dogaCount));  
    }  
});
```

```
// Button click listener for Babu  
btn_babu.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        img.setImageResource(R.drawable.babu);  
        babuCount++;  
        ct_babu.setText(String.valueOf(babuCount));  
    }  
});
```

```
// Button click listener for Reset  
btn_reset.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        img.setImageResource(R.drawable.nojpg);  
        kochiCount = 0;  
        dogoCount = 0;  
        babuCount = 0;  
        ct_kochi.setText(String.valueOf(kochiCount));  
        ct_doga.setText(String.valueOf(dogaCount));  
        ct_babu.setText(String.valueOf(babuCount));  
    }  
});
```

```
    }  
    });  
}  
}
```

- **Output: -**

