**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 dogaCount = 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);

dogaCount++;

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;

dogaCount = 0;

babuCount = 0;

ct\_kochi.setText(String.valueOf(kochiCount));

ct\_doga.setText(String.valueOf(dogaCount));

ct\_babu.setText(String.valueOf(babuCount));

}

});

}

}

* **Output: -**

