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BCA-2022 SEC – G
GROUP – 2
Paper name-Android Programming Lab
Paper Code-BCAS591



# 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"</p>
 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">
  <lmageView
    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"
```

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```
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

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```



```
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>
```

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#### 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
```

```
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```



```
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));
```

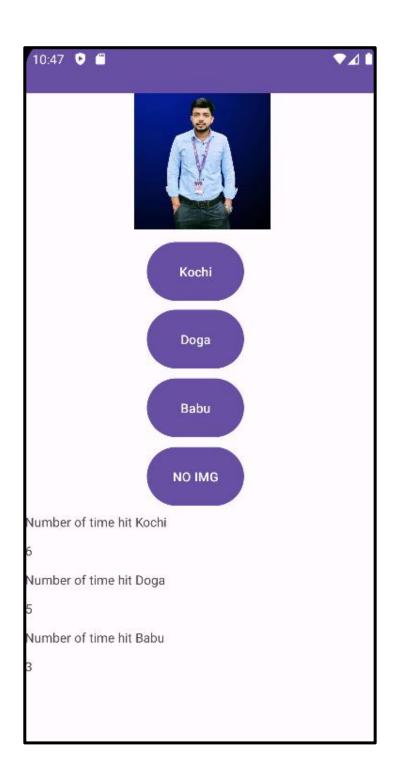
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```
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}
```



```
}
});
}
```

## Output: -



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