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Project 3: Image Gallery App

    Activity main.xml:'

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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"
    tools:context=".assigh3outputActivity">
    <ImageView</pre>
        android:id="@+id/image1"
        android:layout_width="112dp"
        android:layout_height="126dp"
        android:layout marginStart="16dp"
        app:layout constraintBottom toBottomOf="parent"
        app:layout constraintStart toStartOf="parent"
        app:layout constraintTop toTopOf="parent"
        app:layout_constraintVertical_bias="0.041"
        app:srcCompat="@drawable/images1"
        tools:srcCompat="@drawable/images1" />
    <ImageView</pre>
        android:id="@+id/image2"
        android:layout width="120dp"
        android:layout_height="131dp"
        android:layout_marginStart="15dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout constraintStart toEndOf="@+id/image1"
        app:layout_constraintTop_toTopOf="parent"
        app:layout constraintVertical bias="0.041"
        app:srcCompat="@drawable/images2"
        tools:srcCompat="@drawable/images2" />
    <ImageView</pre>
        android:id="@+id/image3"
        android:layout_width="118dp"
        android:layout_height="128dp"
        android:layout_marginStart="8dp"
        app:layout constraintBottom toBottomOf="parent"
        app:layout constraintEnd toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.272"
        app:layout_constraintStart_toEndOf="@+id/image2"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.041"
        app:srcCompat="@drawable/images3"
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tools:srcCompat="@drawable/images3" />

android:id="@+id/radioGroup"

<RadioGroup

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android:layout_width="244dp"
    android:layout_height="147dp"
    app:layout constraintBottom toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout_constraintHorizontal bias="0.197"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
    app:layout_constraintVertical_bias="0.318">
    <RadioButton
        android:id="@+id/radioImage1"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:text="Image-1" />
    <RadioButton
        android:id="@+id/radioImage2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Image-2" />
    <RadioButton
        android:id="@+id/radioImage3"
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android:text="Image-3" />
</RadioGroup>
<CheckBox
    android:id="@+id/checkBox"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Check the box"
    android:textSize="24sp"
    app:layout constraintBottom toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.148"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
    app:layout_constraintVertical_bias="0.521" />
<Button
    android:id="@+id/Submit"
    android:layout_width="wrap_content"
    android:layout height="wrap content"
    android:text="Enter"
    android:textSize="28sp"
    android:onClick="showImage"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout constraintHorizontal bias="0.912"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.528" />
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<ImageView
        android:id="@+id/showImage"
        android:layout width="331dp"
        android:layout height="269dp"
        app:layout constraintBottom toBottomOf="parent"
        app:layout constraintEnd toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.965"
        tools:srcCompat="@tools:sample/avatars" />
</androidx.constraintlayout.widget.ConstraintLayout>
2.Mainactivity.java:
package com.example.bwu_assighment;
import android.os.Bundle;
import android.view.View;
import android.widget.CheckBox;
import android.widget.ImageView;
import android.widget.RadioButton;
import android.widget.Toast;
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;
public class assigh3outputActivity extends AppCompatActivity {
   @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_assigh3output);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v,
insets) -> {
            Insets systemBars =
insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right,
systemBars.bottom);
            return insets;
        });
    }
    public void showImage(View view){
        ImageView i1= findViewById(R.id.image1);
        ImageView i2= findViewById(R.id.image2);
        ImageView i3= findViewById(R.id.image3);
        ImageView i4= findViewById(R.id.showImage);
        RadioButton r1=findViewById(R.id.radioImage1);
        RadioButton r2=findViewById(R.id.radioImage2);
```

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RadioButton r3=findViewById(R.id.radioImage3);
        CheckBox ch=findViewById(R.id.checkBox);
        if(r1.isChecked()){
            i4.setImageDrawable(i1.getDrawable());
        }else if(r2.isChecked()){
            i4.setImageDrawable(i2.getDrawable());
        }else if(r3.isChecked()){
            i4.setImageDrawable(i3.getDrawable());
        }else{
            Toast t=Toast.makeText(this,"Please Select an
Image...",Toast.LENGTH_LONG);
            t.show();
        }
        if(ch.isChecked()){
            i4.setVisibility(View.VISIBLE);
        }else{
            Toast t=Toast.makeText(this, "Please Select the check
box...",Toast.LENGTH_LONG);
            i4.setVisibility(View.INVISIBLE);
            t.show();
        }
    }
}
```