
Experiment No.: 8

Aim

Develop an application that toggles image using Frame Layout

CO2

Write simple programs and develop small applications using the concepts of UI design, layouts and preferences

Procedure

activity_main.xml

```
<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent">
    <ImageView
        android:id="@+id/first_image"
        android:src="@drawable/b"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:scaleType="fitXY" />
    <ImageView
        android:id="@+id/second_image"
        android:background="@color/white"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:scaleType="fitXY" />
    <TextView
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
        android:text="Click the image to switch"
        android:layout_gravity="center_horizontal|bottom"
        android:padding="5dp"
        android:textColor="#ffffff"
        android:textStyle="bold"
        android:background="#333333"
        android:layout_marginBottom="10dp" />
</FrameLayout>
```

MainActivity.java

```
package com.example.a8prgm;
import android.app.Activity;
import android.os.Bundle;
import android.widget.ImageView;
import android.view.View.OnClickListener;
import android.view.View;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        final ImageView first_image = (ImageView)this.findViewById(R.id.first_image);
        final ImageView second_image = (ImageView)this.findViewById(R.id.second_image);
        first_image.setOnClickListener(new OnClickListener(){
            public void onClick(View view) {
                Toast.makeText(MainActivity.t
```

```
        Toast.makeText(MainActivity.this, "Button clicked.", Toast.LENGTH_SHORT).show();

        second_image.setVisibility(View.VISIBLE);

        view.setVisibility(View.GONE);
    }

});

second_image.setOnClickListener(new OnClickListener(){

    public void onClick(View view) {

        first_image.setVisibility(View.VISIBLE);

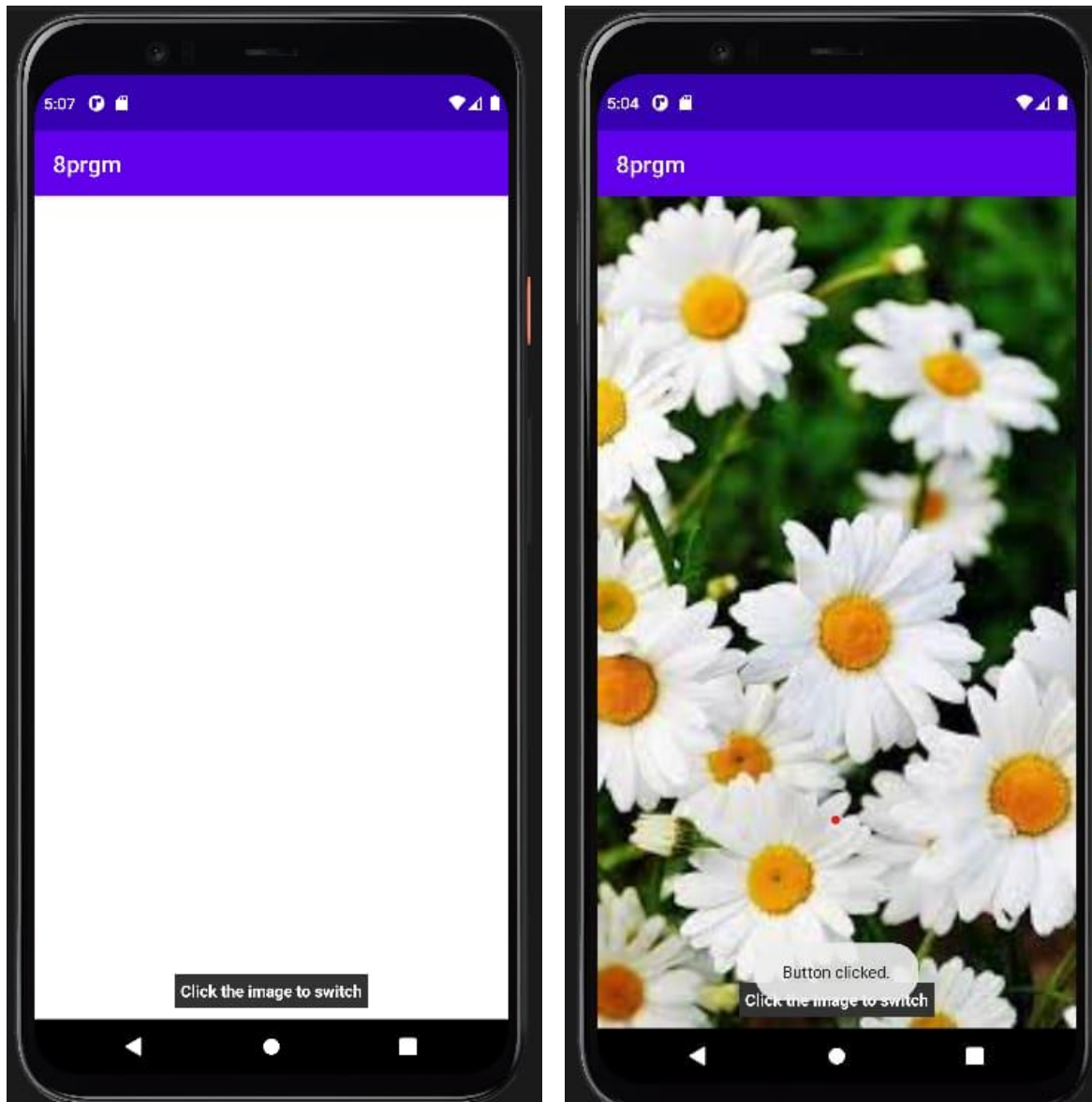
        view.setVisibility(View.GONE);

    }

});

}
```

Output Screenshot



Result

The program was executed and the result was successfully obtained. Thus CO2 was obtained.