**ANDROID LAB**

**Experiment No.: 7**

**Aim**

**Develop an application that toggles image using FrameLayout.**

**Program**

------------------------------------------------------------------- XML Code -------------------------------------------------------------------

<?xml version="1.0" encoding="utf-8"?>

<FrameLayout 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:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

tools:context=".FrameLayoutImageToggleActivity">

<ToggleButton

android:id="@+id/toggle\_img\_btn"

android:layout\_width="60dp"

android:layout\_height="60dp"

android:textOff=""

android:textOn=""

android:background="@drawable/ic\_unlocked"

android:layout\_gravity="center"/>

</FrameLayout>

------------------------------------------------------------------- Java Code -------------------------------------------------------------------

package com.example.loginformques01;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.widget.FrameLayout;

import android.widget.Toast;

import android.widget.ToggleButton;

public class FrameLayoutImageToggleActivity extends AppCompatActivity {

ToggleButton toggle\_img\_btn;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_frame\_layout\_image\_toggle);

toggle\_img\_btn= findViewById(R.id.toggle\_img\_btn);

toggle\_img\_btn.setOnClickListener(v->{

if(toggle\_img\_btn.isChecked()){

toggle\_img\_btn.setBackgroundDrawable(getResources().getDrawable(R.drawable.ic\_locked));

Toast.makeText(getApplicationContext(), "Application Locked Successfully.", Toast.LENGTH\_SHORT).show();

}

else{

toggle\_img\_btn.setBackgroundDrawable(getResources().getDrawable(R.drawable.ic\_unlocked));

Toast.makeText(getApplicationContext(), "Application Unlocked Successfully.", Toast.LENGTH\_SHORT).show();

}

});

}

}