**Assignment-5**

**Aim:Design an application in Android Studio using Relative Layout, Frame Layout, and Table Layout in the single activity.**

**.xml file code:**

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

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/androi"

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:layout\_gravity="center"

tools:context=".MainActivity">

<FrameLayout

android:id="@+id/frameLayout"

android:layout\_width="match\_parent"

android:layout\_height="150dp"

android:background="#FFC5">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Framelayout"

android:textColor="@android:color/white"

android:layout\_gravity="center"/>

</FrameLayout>

<TableLayout

android:id="@+id/tableLayout"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@id/frameLayout"

android:layout\_marginTop="16dp"

android:stretchColumns="1">

<TableRow>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Name:"/>

<EditText

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Enter a name"/>

</TableRow>

<TableRow>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Email:"/>

<EditText

android:layout\_width="281dp"

android:layout\_height="wrap\_content"

android:hint="Enter a email" />

</TableRow>

</TableLayout>

</RelativeLayout>

**.java file:-**

package com.example.myapplication;

import android.os.Bundle;

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 MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

EdgeToEdge.enable(this);

setContentView(R.layout.activity\_main);

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;

});

}

}

**OUTPUT:**

