**Q.1) Write a android layout to display different layout in xml: relative and linear layout.**

**Code:**

**MainActivity.java**

package com.example.views;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.CheckBox;

import android.widget.EditText;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

};

}

**activity\_main.xml**

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

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:padding="16dp"

android:gravity="center\_horizontal">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:orientation="vertical"

android:gravity="center\_horizontal"

>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Login"

android:layout\_marginTop="20dp"

android:textSize="18sp" />

<EditText

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Your email"/>

<EditText

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Password"/>

</LinearLayout>

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

>

<Button

android:id="@+id/but1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Sign in"

/>

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Register"

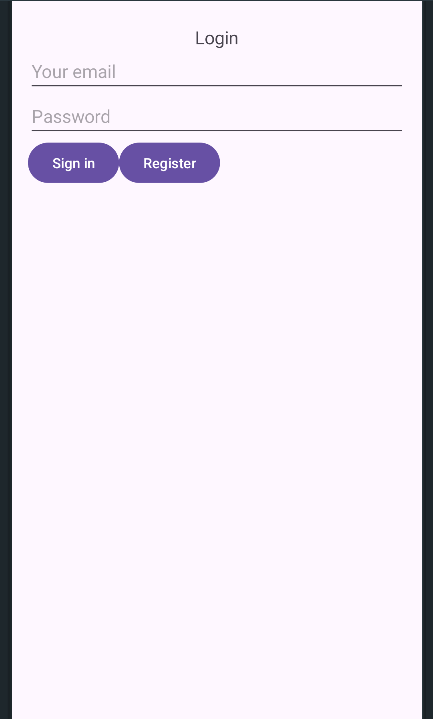
android:layout\_toEndOf="@+id/but1"

/>

</RelativeLayout>

</LinearLayout>

**Output:**

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