1.create a facebook page using relative layout implement validations on ui control

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

<RelativeLayout

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

xmlns:tools="http://schemas.android.com/tools"

android:id="@+id/activity\_main"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#00CC99">

<EditText

android:id="@+id/text1"

android:hint="Username"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="150dp"

android:layout\_marginLeft="18dp"

android:layout\_marginRight="18dp"

android:padding="8dp"

android:background="#fff" />

<EditText

android:id="@+id/text2"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="18dp"

android:layout\_marginRight="18dp"

android:padding="8dp"

android:background="#fff"

android:hint="Password"

android:layout\_marginTop="12dp"

android:layout\_below="@+id/text1" />

<Button

android:id="@+id/b1"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Login"

android:textColor="#00CC99"

android:layout\_below="@+id/text2"

android:layout\_marginTop="17dp"

android:layout\_alignStart="@+id/text2"

android:layout\_alignEnd="@+id/text2" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/text3"

android:textColor="#fff"

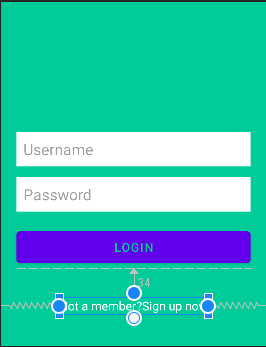
android:text="Not a member?Sign up now"

android:layout\_below="@+id/b1"

android:layout\_centerHorizontal="true"

android:layout\_marginTop="34dp" />

</RelativeLayout>



2.design a simple calculator using grid layout and cascade linear layout

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

<GridLayout 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/gridLayout"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:columnCount="4"

android:orientation="horizontal"

android:rowCount="6"

android:background="#000000"

tools:context="com.example.administrator.android20200314.GridActivity">

<TextView

android:layout\_columnSpan="4"

android:layout\_gravity="fill"

android:layout\_marginLeft="5dp"

android:layout\_marginRight="5dp"

android:background="#FFC"

android:text="0"

android:textSize="50sp"/>

<Button

android:layout\_columnSpan="2"

android:gravity="fill"

android:text="return"

android:layout\_width="180dp"/>

<Button

android:layout\_columnSpan="2"

android:gravity="fill"

android:text="clear"

android:layout\_width="180dp"/>

<Button android:text="+"/>

<Button android:text="1"/>

<Button android:text="2"/>

<Button android:text="3"/>

<Button android:text="-"/>

<Button android:text="4"/>

<Button android:text="5"/>

<Button android:text="6"/>

<Button android:text="\*"/>

<Button android:text="7"/>

<Button android:text="8"/>

<Button android:text="9"/>

<Button android:text="/"/>

<Button

android:layout\_width="wrap\_content"

android:text="."/>

<Button android:text="0"/>

<Button android:text="="/>

</GridLayout>

