1. Create a fb pages creating a relative layout Implement validation on ui control

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout xmlns:android="**[**http://schemas.android.com/apk/res/android**](http://schemas.android.com/apk/res/android)**"  
 xmlns:app="**[**http://schemas.android.com/apk/res-auto**](http://schemas.android.com/apk/res-auto)**"  
 xmlns:tools="**[**http://schemas.android.com/tools**](http://schemas.android.com/tools)**"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Hello World!"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
 *<?***xml version="1.0" encoding="utf-8"***?>* <**LinearLayout  
 xmlns:android="**[**http://schemas.android.com/apk/res/android**](http://schemas.android.com/apk/res/android)**"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#3b5998"  
 android:orientation="vertical"**>  
  
 *<!--Imageview for Facebook logo image-->* <**ImageView  
 android:layout\_width="80dp"  
 android:layout\_height="80dp"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="80dp"  
 android:src="@drawable/fb\_logo"** />  
  
 *<!--EditText for user name or email address-->* <**EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginTop="80dp"  
 android:layout\_marginRight="20dp"  
 android:backgroundTint="#d3d3d3"  
 android:hint="Username or Email"  
 android:inputType="textEmailAddress"  
 android:maxLines="1"  
 android:padding="10dp"  
 android:textColor="#ffffff"  
 android:textColorHint="#d3d3d3"** />  
  
 *<!--EditText for user password-->* <**EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginRight="20dp"  
 android:backgroundTint="#d3d3d3"  
 android:hint="Password"  
 android:inputType="textPassword"  
 android:maxLines="1"  
 android:padding="10dp"  
 android:textColor="#ffffff"  
 android:textColorHint="#d3d3d3"** />  
  
 *<!-- Login Button for Facebook Log In-->* <**Button  
 android:id="@+id/btnLogin"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginTop="35dp"  
 android:layout\_marginRight="20dp"  
 android:backgroundTint="#5c6bc0"  
 android:padding="10dp"  
 android:text="Log In"  
 android:textColor="#ffffff"  
 android:textSize="16sp"  
 android:textStyle="bold"** />  
  
 <**RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:orientation="vertical"**>  
  
 <**TextView  
 android:id="@+id/txtSignUp"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:text="Sign Up for Facebook"  
 android:textColor="#ffffff"** />  
  
 <**TextView  
 android:id="@+id/txtForgotPassword"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginTop="15dp"  
 android:layout\_marginBottom="15dp"  
 android:text="Forgot Password?"  
 android:textColor="#ffffff"** />  
 </**LinearLayout**>  
  
 </**RelativeLayout**>  
  
 </**LinearLayout**>  
  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

Output:

