Step 1: Create a new project and name it TableLayoutExample

Step 2: Open res -> layout ->**activity_main.xml (or) main.xml** and add following code:

In this step we open an xml file (activity_main.xml) and add the code for displaying username and password fields by using textview and edittext with one login button.

```xml
<TableLayout xmlns:android="http://schemas.android.com/apk/res/android"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    android:background="#000"

    android:orientation="vertical"

    android:stretchColumns="1">


    <TableRow android:padding="5dip">


        <TextView

            android:layout_height="wrap_content"

            android:layout_marginBottom="20dp"

            android:layout_span="2"

            android:gravity="center_horizontal"

            android:text="@string/loginForm"

            android:textColor="#0ff"

            android:textSize="25sp"

            android:textStyle="bold" />
    </TableRow>


    <TableRow>


        <TextView

            android:layout_height="wrap_content"

            android:layout_column="0"

            android:layout_marginLeft="10dp"

            android:text="@string/userName"

            android:textColor="#fff"

            android:textSize="16sp" />


        <EditText
```

```xml
            android:id="@+id/userName"
            android:layout_height="wrap_content"
            android:layout_column="1"
            android:layout_marginLeft="10dp"
            android:background="#fff"
            android:hint="@string/userName"
            android:padding="5dp"
            android:textColor="#000" />
    </TableRow>

    <TableRow>

        <TextView
            android:layout_height="wrap_content"
            android:layout_column="0"
            android:layout_marginLeft="10dp"
            android:layout_marginTop="20dp"
            android:text="@string/password"
            android:textColor="#fff"
            android:textSize="16sp" />

        <EditText
            android:id="@+id/password"
            android:layout_height="wrap_content"
            android:layout_column="1"
            android:layout_marginLeft="10dp"
            android:layout_marginTop="20dp"
            android:background="#fff"
            android:hint="@string/password"
            android:padding="5dp"
            android:textColor="#000" />
    </TableRow>


    <TableRow android:layout_marginTop="20dp">
```

```xml
        <Button
            android:id="@+id/loginBtn"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_span="2"
            android:background="#0ff"
            android:text="@string/login"
            android:textColor="#000"
            android:textSize="20sp"
            android:textStyle="bold" />
    </TableRow>
</TableLayout>
```

Step 3: Open src -> package -> **MainActivity.java**

In this step we open MainActivity and add the code to initiate the editext and button and then perform click event on button and display the message by using a Toast.

```java
package example.abhiandriod.tablelayoutexample;


import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;


public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        // initiate a button
        Button loginButton = (Button) findViewById(R.id.loginBtn);
        // perform click event on the button
```

```
        loginButton.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View v) {

                Toast.makeText(getApplicationContext(), "Hello  AbhiAndroid..!!!",
Toast.LENGTH_LONG).show();  // display a toast message

            }

        });

    }




}
```

Step 4: Open res -> values -> **strings.xml**

In this step we open string file which is used to store string data of the app.

```xml
<resources>

    <string name="app_name">TableLayoutExample</string>

    <string name="hello_world">Hello world!</string>

    <string name="action_settings">Settings</string>

    <string name="loginForm">Login Form</string>

    <string name="userName">UserName</string>

    <string name="password">Password</string>

    <string name="login">LogIn</string>

</resources>
```

OUTPUT-