ACTIVITY\_MAIN.XML

*<?***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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"** >  
  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textAppearance="?android:attr/textAppearanceMedium"  
 android:text="Vertical ScrollView example"  
 android:id="@+id/textView"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_centerHorizontal="true"  
 android:layout\_alignParentTop="true"** />  
  
  
 <**ScrollView android:layout\_marginTop="30dp"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/scrollView"**>  
  
  
 <**LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="fill\_parent"  
 android:orientation="vertical"** >  
  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 1"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 2"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 3"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 4"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 5"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 6"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 7"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 8"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 9"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 10"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 11"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 12"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 13"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 14"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 15"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 16"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 17"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 18"** />  
  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 19"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button 20"** />  
  
 </**LinearLayout**>  
  
 </**ScrollView**>  
  
</**RelativeLayout**>

MAINACTIVITY.JAVA

**package** com.example.scrolltutorial;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 }  
}