Activity\_main.xml

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

<**android.support.constraint.ConstraintLayout 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:layout\_width="match\_parent"**

**android:layout\_height="match\_parent"**

**tools:context=".MainActivity"**>

<**TextView**

**android:id="@+id/textView"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:onClick="onTextViewClicked"**

**android:text="ClickMe"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintLeft\_toLeftOf="parent"**

**app:layout\_constraintRight\_toRightOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"** />

<**Button**

**android:id="@+id/button1"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_marginBottom="8dp"**

**android:layout\_marginEnd="8dp"**

**android:layout\_marginStart="8dp"**

**android:layout\_marginTop="8dp"**

**android:text="Button1"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toStartOf="@+id/button2"**

**app:layout\_constraintHorizontal\_bias="0.255"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"** />

<**Button**

**android:id="@+id/button2"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_marginBottom="8dp"**

**android:layout\_marginEnd="36dp"**

**android:layout\_marginTop="8dp"**

**android:text="Button2"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"** />

</**android.support.constraint.ConstraintLayout**>

MainActivity.java

**package** com.example.jevitha.a1\_button\_toast;

**import** android.support.v7.app.AppCompatActivity;

**import** android.os.Bundle;

**import** android.view.View;

**import** android.widget.Button;

**import** android.widget.Toast;

**public class** MainActivity **extends** AppCompatActivity **implements** View.OnClickListener {

Button **b1**,**b2**;

@Override

**protected void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main***); *// Linking XML file with the activity class*

**b1**=(Button)findViewById(R.id.***button1***); *// Getting reference to the button objects*

**b2**=(Button)findViewById(R.id.***button2***);

**b1**.setOnClickListener(**this**); *// Setting onclick listener for buttons to respond via onClick method*

**b2**.setOnClickListener(**this**);

}

@Override

**public void** onClick(View view) {

**if**(view.getId()==R.id.***button1***)

Toast.*makeText*(**this**,**"Button 1 is clicked"**,Toast.***LENGTH\_SHORT***).show();

**else if**(view.getId()==R.id.***button2***)

Toast.*makeText*(**this**,**"Button 2 is clicked"**,Toast.***LENGTH\_SHORT***).show();

}

*// This method is mapped to TextView through 'onClick' attribute in XML file*

*// Textview need not do setOnClickListener if done through XML file*

**public void** onTextViewClicked(View view) {

Toast.*makeText*(**this**,**"TextView is clicked"**,Toast.***LENGTH\_LONG***).show();

}

}