*aactivity\_main.xml*

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

<**androidx.constraintlayout.widget.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:background="#FFEB3B"**

**android:text="@string/hello\_android"**

**android:textAllCaps="true"**

**android:textColor="#AC1D6C"**

**android:textColorHighlight="@color/colorAccent"**

**android:textSize="36sp"**

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

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

**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:text="Hello"**

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

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

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

**app:layout\_constraintTop\_toBottomOf="@+id/textView"** />

</**androidx.constraintlayout.widget.ConstraintLayout**>

MainActivity.java

**package** com.example.myapp;

**import** androidx.appcompat.app.AppCompatActivity;

**import** android.os.Bundle;

**import** android.util.Log;

**import** android.view.View;

**import** android.widget.Button;

**import** android.widget.Toast;

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

Button **b**;

@Override

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

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main***);

Log.*e*(**"MainActivity"**, **" This message is created inside onCreate Method."**);

Log.*i*(**"MainActivity"**,**"This is for information"**);

Log.*d* (**"MainActivity"**,**"This is a debug message"**);

**b** = findViewById(R.id.***button2***);

**b**.setOnClickListener(**this**);

}

@Override

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

Toast.*makeText*(**this**,**"You clicked on the button"**, Toast.***LENGTH\_LONG***).show();

Log.*i*(**"MainActivity"**,**"Button clicked"**);

}

}