*<?*xml version="1.0" encoding="utf-8"*?>*  
*<*LinearLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:orientation="vertical"  
 android:background="@color/white"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
 <TextView  
 android:id="@+id/tv"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Hello World!"  
 android:textSize="20dp"  
 android:textColor="@color/yellow"/>  
 <Button  
 android:id="@+id/b1"  
 android:layout\_width="150dp"  
 android:layout\_height="50dp"  
 android:text="@string/button\_text"  
 android:onClick="buttonClick"  
 />  
 <Button  
 android:id="@+id/b2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Hello"  
  
 />  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Button3"  
 android:id="@+id/b3"/>  
</LinearLayout>

package com.example.myandroidapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.graphics.Color;  
import android.os.Bundle;  
import android.util.Log;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
  
public class MainActivity extends AppCompatActivity {  
  
 Button btn1, btn2, btn3;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 btn1 = findViewById(R.id.*b1*);  
 btn2 = findViewById(R.id.*b2*);  
 btn3 = findViewById(R.id.*b3*);  
  
 btn2.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Log.*d*("message","button2 clicked");  
  
 }  
 });  
  
 btn3.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Log.*d*("message","button3 clicked");  
  
 }  
 });  
  
  
 }  
  
 public void buttonClick(View v){  
 Log.*d*("message","button1 clicked");  
 }  
  
}

*<?*xml version="1.0" encoding="utf-8"*?>*  
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 android:layout\_width="150dp"  
 android:layout\_height="50dp"  
 android:text="@string/button\_text"  
 />  
 <Button  
 android:id="@+id/b2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Hello"  
  
 />  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Button3"  
 android:id="@+id/b3"/>  
</LinearLayout>

package com.example.myandroidapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.graphics.Color;  
import android.os.Bundle;  
import android.util.Log;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity implements View.OnClickListener {  
  
 Button btn1,btn2,btn3;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 btn1=findViewById(R.id.*b1*);  
 btn2=findViewById(R.id.*b2*);  
 btn3=findViewById(R.id.*b3*);  
  
 btn1.setOnClickListener(this);  
 btn2.setOnClickListener(this);  
 btn3.setOnClickListener(this);  
  
  
 }  
 @Override  
 public void onClick(View v) {  
 switch (v.getId())  
 {  
 case R.id.*b1*:  
 *// Log.d("message1","Button1 is clicked");*  
Toast.*makeText*(getApplicationContext(),"message for button1",Toast.*LENGTH\_LONG*).show();  
 break;  
 case R.id.*b2*:  
 Log.*d*("message2","Button2 is clicked");  
 break;  
 case R.id.*b3*:  
 Log.*d*("message3","Button3 is clicked");  
 break;  
  
 }  
  
  
 }  
}