2. Create an application with three buttons (increment, decrement and reset) and a textView aligned vertically. On clicking, increment/decrement button, the value of the textview should increment/decrement by 1while selecting reset button, the value of textview should become zero.

```java
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.TextView;

import java.text.BreakIterator;

public class MainActivity extends AppCompatActivity
{
    int num;
    TextView tv;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        //tv = (TextView) findViewById(R.id.textView2);
        // num=0;
        tv = (TextView) this.findViewById(R.id.textView2);
        // num = 0;
        //tv.setText(String.valueOf(num));
        //num = Integer.valueOf(tv.getText().toString());
        //tv.setText(""+num);
    }
    public void onClick(View v)
    {
        num = Integer.valueOf(tv.getText().toString());
        int j = getTaskId();
        if(j==R.id.inc)
            tv.setText("" + (++num));
        else if(j==R.id.dec)
            tv.setText("" + (--num));
    }
    public void reset (View v)
    {
        num = 0;
        tv.setText("" + num);
    }
}
```

// XML File
```xml
<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"
    android:background="#FF9800"
    android:onClick="reset"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="0dp"
```

```xml
        android:layout_height="wrap_content"
        android:background="#F44336"
        android:fontFamily="sans-serif-black"
        android:paddingLeft="150dp"
        android:text="@string/lab_2"
        android:textSize="30sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <Button
        android:id="@+id/inc"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:onClick="onClick"
        android:text="@string/increment"
        android:textColor="#FBC02D"
        app:layout_constraintBottom_toTopOf="@+id/dec"
        app:layout_constraintEnd_toEndOf="@+id/textView2"
        app:layout_constraintStart_toStartOf="@+id/textView2"
        app:layout_constraintTop_toBottomOf="@+id/textView2" />

    <Button
        android:id="@+id/dec"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:onClick="onClick"
        android:text="@string/decrement"
        app:layout_constraintBottom_toTopOf="@+id/button3"
        app:layout_constraintEnd_toEndOf="@+id/inc"
        app:layout_constraintStart_toStartOf="@+id/inc"
        app:layout_constraintTop_toBottomOf="@+id/inc" />

    <Button
        android:id="@+id/button3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:onClick="reset"
        android:text="@string/reset"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="@+id/dec"
        app:layout_constraintStart_toStartOf="@+id/dec"
        app:layout_constraintTop_toBottomOf="@+id/dec" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="101dp"
        android:layout_height="51dp"
        android:paddingLeft="30dp"
        android:paddingTop="15dp"
        android:paddingRight="30dp"
        android:textSize="30sp"
        app:layout_constraintBottom_toTopOf="@+id/inc"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView" />

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

Android Studio - Inc_Dec - MainActivity.java [Inc_Dec.app]

```java
package com.example.inc_dec;

import ...

public class MainActivity extends AppCompatActivity
{
    int num;
    TextView tv;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        //tv = (TextView) findViewById(R.id.textView2);
        // num=0;
        tv = (TextView) this.findViewById(R.id.textView2);
        // num = 0;
        //tv.setText(String.valueOf(num));
        //num = Integer.valueOf(tv.getText().toString());
        //tv.setText(""+num);
    }
    public void onClick(View v)
    {
        num = Integer.valueOf(tv.getText().toString());
        int j = getTaskId();
        if(j==R.id.inc)
            tv.setText("" + (++num));
        else if(j==R.id.dec)
            t                (--num));
    }
```

Launch succeeded