**Assignment 2**

**Code :**

* activity\_main.xml

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

<LinearLayout

xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:padding="16dp"

android:background="#F5F5F5">

<TextView

android:id="@+id/textView"

android:layout\_marginTop="30dp"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:background="#E3F2FD"

android:text="Hello! I am a TextView."

android:textSize="20sp"

android:textColor="#424242"

android:padding="16dp"

android:gravity="center"

android:layout\_gravity="center"

android:layout\_marginBottom="24dp"/>

<Button

android:id="@+id/button1"

android:layout\_gravity="center"

android:layout\_width="348dp"

android:layout\_height="70dp"

android:layout\_marginBottom="12dp"

android:backgroundTint="#64B5F6"

android:text="Change Text"

android:textColor="#FFFFFF"

android:textSize="20sp" />

<Button

android:id="@+id/button2"

android:layout\_gravity="center"

android:layout\_width="348dp"

android:layout\_height="70dp"

android:backgroundTint="#4CAF50"

android:text="Change Height"

android:textColor="#FFFFFF"

android:textSize="20sp"

android:layout\_marginBottom="12dp" />

<Button

android:id="@+id/button3"

android:layout\_gravity="center"

android:layout\_width="348dp"

android:layout\_height="70dp"

android:backgroundTint="#FF9800"

android:text="Center Text"

android:textColor="#FFFFFF"

android:textSize="20sp"

android:layout\_marginBottom="12dp" />

<Button

android:id="@+id/button4"

android:layout\_gravity="center"

android:layout\_width="348dp"

android:layout\_height="70dp"

android:backgroundTint="#9C27B0"

android:text="Button 4"

android:textColor="#FFFFFF"

android:textSize="20sp"

android:layout\_marginBottom="12dp" />

<Button

android:id="@+id/button5"

android:layout\_gravity="center"

android:layout\_width="348dp"

android:layout\_height="70dp"

android:backgroundTint="#F44336"

android:text="Button 5"

android:textColor="#FFFFFF"

android:textSize="20sp"

android:layout\_marginBottom="12dp" />

</LinearLayout>

* MainActivity.kt

package com.example.assignment2  
  
import android.os.Bundle  
import android.view.Gravity  
import android.widget.Button  
import android.widget.TextView  
import androidx.activity.enableEdgeToEdge  
import androidx.appcompat.app.AppCompatActivity  
import androidx.core.view.ViewCompat  
import androidx.core.view.WindowInsetsCompat  
  
class MainActivity : AppCompatActivity() {  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
 val textView: TextView = findViewById(R.id.*textView*)  
 val button1: Button = findViewById(R.id.*button1*)  
 val button2: Button = findViewById(R.id.*button2*)  
 val button3: Button = findViewById(R.id.*button3*)  
  
 button1.setOnClickListener **{** textView.*text* = "Text has been changed!"  
 **}** button2.setOnClickListener **{** textView.*layoutParams*.height = 300  
 textView.requestLayout()  
 **}** button3.setOnClickListener **{** textView.*gravity* = Gravity.*CENTER* **}** }  
}

**OUTPUT :**

