**Practical – 4 : Make Android App which Demonstrate use of toggle.**

**Code:**

**Activity\_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">  
  
 <ToggleButton  
 android:id="@+id/toggleButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="96dp"  
 android:text="ToggleButton"  
 android:textOff="off"  
 android:textOn="on"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.172" />  
  
 <ToggleButton  
 android:id="@+id/toggleButton2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="ToggleButton"  
 android:textOff="off"  
 android:textOn="on"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.529"  
 app:layout\_constraintStart\_toEndOf="@+id/toggleButton"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.172" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Button"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.517"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.524" />  
</androidx.constraintlayout.widget.ConstraintLayout>

**mainActivity.java**

package com.example.toggle;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.Toast;  
import android.widget.ToggleButton;  
  
public class MainActivity extends AppCompatActivity {  
 ToggleButton toggleButton,toggleButton2;  
 Button button;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 toggleButton=(ToggleButton)findViewById(R.id.*toggleButton*);  
 toggleButton2=(ToggleButton)findViewById(R.id.*toggleButton2*);  
 button=(Button)findViewById(R.id.*button*);  
  
 *//Performing action on button click* button.setOnClickListener(new View.OnClickListener(){  
  
 @Override  
 public void onClick(View view) {  
 StringBuilder result = new StringBuilder();  
 result.append("ToggleButton1 : ").append(toggleButton.getText());  
 result.append("\nToggleButton2 : ").append(toggleButton2.getText());  
 *//Displaying the message in toast* Toast.*makeText*(getApplicationContext(), result.toString(),Toast.*LENGTH\_LONG*).show();  
 }  
  
 });  
 }  
}

**Output:**

