I'm not a robot

Skip to content Hello Guys. Welcome to our new tutorial of how to use toggle button in android studio.toggle-button help the user to change a setting between two states. or you can use the button to display on/off state on the button. please follow the code given below to use toggle button in android studio.First Create a new project in Android StudioFile New Android Application ProjectThen Open src -> package ->MainActivity.javaand then add following code :JAVA (MainActivity.java) import android.support.v7.app.AppCompatActivity;import android.os.Bundle;import android.view.View;import android.widget.TextView;import android.widget.ToggleButton;public class ToggleActivity extends AppCompatActivity { ToggleButton toggleButton; TextView textView; @Override protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity_toggle); toggleButton = (ToggleButton) findViewById(R.id.toggleButton); textView = (TextView) findViewById(R.id.textView); } public void onToggleClick(View view) { if (toggleButton.isChecked()) { textView.setText("ON"); } else { textView.setText("OFF"); } }}Toast.LENGTH_SHORT).show();}});}} import android.support.v7.app.AppCompatActivity;import android.os.Bundle;import android.view.View;import android.widget.TextView;import android.widget.ToggleButton;public class ToggleActivity extends AppCompatActivity {ToggleButton toggleButton;protected void onCreate(Bundle savedInstanceState) {super.onCreate(savedInstanceState);setContentView(R.layout.activity_toggle);toggleButton = (ToggleButton) findViewById(R.id.toggleButton);textView = (TextView) findViewById(R.id.textView);public void onToggleClick(View view) {if (toggleButton.isChecked()) {Toast.LENGTH_SHORT).show(); NowOpen res -> layout ->activity_main.xmland then add following code :XML (activity_main.xml) android:id="@+id/toggleButton"android:layout_width="wrap_content"android:layout_height="wrap_content"android:layout_centerHorizontal="true"android:layout_centerVertical="true"android:onClick="onToggleClick"app:layout_constraintBottom_toBottomOf="parent"app:layout_constraintEnd_toEndOf="parent"app:layout_constraintStart_toStartOf="parent"app:layout_constraintTop_toBottomOf="@+id/textView" />android:id="@+id/textView"android:layout_width="wrap_content"android:layout_height="wrap_content"android:layout_above="@+id/toggleButton"android:layout_centerHorizontal="true"android:layout_centerVertical="true"app:layout_constraintBottom_toBottomOf="parent"app:layout_constraintEnd_toEndOf="parent"app:layout_constraintStart_toStartOf="parent"app:layout_constraintTop_toTopOf="parent" /> Output:Finally, run this project.This is how Toggle Button look like. In android, Toggle Button is a user interface control that is used to display ON (Checked) or OFF (Unchecked) states as a button with a light indicator. The ToggleButton is useful for the users to change the settings between two states either ON or OFF. We can add a ToggleButton to our application layout by using theToggleButton object. Following is the pictorial representation of using ToggleButton in android applications. By default, the android ToggleButton will be in OFF (Unchecked) state. We can change the default state of ToggleButton by using android:checked attribute. In case, if we want to change the state of ToggleButton to ON (Checked), then we need to set android:checked = true in our XML layout file. In android, we can create ToggleButton control in two ways either in the XML layout file or create it in theActivity file programmatically. Create ToggleButton in XML Layout File Following is the sample way to define ToggleButton control in XML layout file in android application. If you observe above code we defined a two ToggleButton controls and oneButtoncontrol inRelativeLayoutto get the state of ToggleButton controls when we click onButtoncontrol in XML layout file. Once we are done with the creation of layout with required control, we need to load the XML layout resource from our activity onCreate() callback method, for that open main activity file MainActivity.java from \java\com.tutlane.togglebuttonexample path and write the code like as shown below. MainActivity.java package com.tutlane.togglebuttonexample; import android.support.v7.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 { @Override protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity_main); final ToggleButton tb1 = (ToggleButton)findViewById(R.id.toggle1); final ToggleButton tb2 = (ToggleButton)findViewById(R.id.toggle2); Button btnGet = (Button)findViewById(R.id.getBtn); btnGet.setOnClickListener(new View.OnClickListener() { @Override public void onClick(View v) { Toast.makeText(getApplicationContext(), "Toggle Button1 - " + tb1.getText().toString() + " " + "Toggle Button2 - " + tb2.getText().toString(),Toast.LENGTH_SHORT If you observe above code we are calling our layout using setContentView method in the form of R.layout.layout_file_name in our activity file. Here our xml file name is activity_main.xml so we used file name activity_main and we are getting the the state of two ToggleButton controls onButtonclick. Generally, during the launch of ouractivity, theonCreate() callback method will be called by android framework to get the required layout for an activity. Output of Android ToggleButton Example When we run above example using an android virtual device (AVD) we will get a result like as shown below. This is how we can use ToggleButton control in android applications to switch the settings between two states either ON or OFF based on our requirements.Today we will learn about Android Toggle Button and Switch in android app. Well discuss and implement Switch button Widget and the ToggleButton widget in our application.Android Toggle ButtonAndroid Toggle Button is used to display on and off state on a button. Switch is another type of toggle button thats predominantly used since Android 4.0. Android Switch provides a slider control. Both ToggleButton and Switch are subclasses of CompoundButton class. XML Attributes used to define a ToggleButton are described below.android:disabledAlpha: The alpha to apply to the indicator when disabledandroid:textOff: The text for the button when it is not checkedandroid:textOn: The text for the button when it is checkedTo modify the ToggleButton programmatically the following methods are used.CharSequence getTextOff(): It returns the text when button is not in the checked stateCharSequence getTextOn(): It returns the text for when button is in the checked statevoid setChecked(boolean checked): It changes the checked state of this buttonAndroid SwitchAndroid Switch or SwitchCompat widget (a part of AppCompat library which provides backward compatibility for lower Android versions upto Android API v7) is a custom On-Off slider which is commonly seen in phone settings. Advantages of Android Switch Widget:It is the best replacement for checkboxes and RadioButtonsImplementation takes only less than a minuteNo need to use much drawables and other resourcesThe xml layout of a SwitchCompat is given below: android:text is used to display a Text besides the slider switch button.Android Toggle Button and Switch ExampleIn this application well display two ToggleButton and one Switch button. The state of the Toggle Buttons would be displayed in a SnackBar when the FloatingActionButton is pressed. The state of the Switch button is changed to true whenever the action button of the snackbar is clicked. Or the state is displayed in the snackbar by sliding the switch.Android Toggle Button and Switch Project StructureAndroid Toggle Button CodeThe activity_main.xml remains the same. The content_main.xml contains two Toggle Buttons and a Switch checked to false by default as shown in the code snippet below :