Date 29. 03. 2019 VYSHAK PUTHUSSERI  
YEDHU THAMBI

**TUTORIAL 1**

XML:

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

<**android.support.constraint.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"**>

<**LinearLayout**

**android:id="@+id/linearLayout"**

**android:layout\_width="0dp"**

**android:layout\_height="0dp"**

**android:layout\_marginStart="8dp"**

**android:layout\_marginTop="8dp"**

**android:layout\_marginEnd="8dp"**

**android:layout\_marginBottom="8dp"**

**android:orientation="vertical"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**>

<**TextView**

**android:id="@+id/textView"**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:text="TextView"** />

<**Button**

**android:id="@+id/button"**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:text="Button"** />

</**LinearLayout**>

</**android.support.constraint.ConstraintLayout**>

JAVA FILE:

**package** com.example.tutorial1;

**import** android.support.v7.app.AppCompatActivity;

**import** android.os.Bundle;

**import** android.view.View;

**import** android.widget.Button;

**import** android.widget.TextView;

**public class** MainActivity **extends** AppCompatActivity {

TextView **txt**;

Button **btn**;

@Override

**protected void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main***);

**btn** = (Button) findViewById(R.id.***button***);

**txt** = (TextView) findViewById(R.id.***textView***);

**btn**.setOnClickListener(**new** View.OnClickListener() {

@Override

**public void** onClick(View v) {

**txt**.setText(**"you have clicked the button"**);

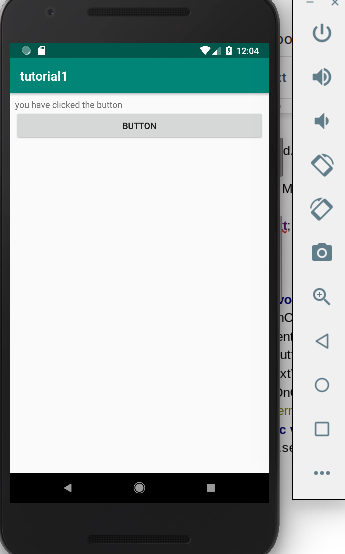
}

});

}

}

Screenshot :



Tutorial 2

Activity file

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

<**android.support.constraint.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"**>

<**LinearLayout**

**android:id="@+id/linearLayout"**

**android:layout\_width="0dp"**

**android:layout\_height="0dp"**

**android:layout\_marginStart="8dp"**

**android:layout\_marginTop="8dp"**

**android:layout\_marginEnd="8dp"**

**android:layout\_marginBottom="8dp"**

**android:orientation="vertical"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**>

<**CheckBox**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:id="@+id/india"**

**android:text="INDIA"**/>

<**CheckBox**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:id="@+id/pak"**

**android:text="PAKISTHAN"**/>

<**CheckBox**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:id="@+id/srilanka"**

**android:text="SRILANKA"**/>

<**TextView**

**android:id="@+id/textView"**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:text="TextView"** />

</**LinearLayout**>

</**android.support.constraint.ConstraintLayout**>

Java file

**package** com.example.tutorial2;

**import** android.support.v7.app.AppCompatActivity;

**import** android.os.Bundle;

**import** android.widget.CheckBox;

**import** android.widget.CompoundButton;

**import** android.widget.TextView;

**public class** MainActivity **extends** AppCompatActivity {

TextView **txt**;

CheckBox **india**,**sri**,**pak**;

String **str** = **""**;

@Override

**protected void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main***);

**txt** = (TextView)findViewById(R.id.***textView***);

**india** = (CheckBox)findViewById(R.id.***india***);

**sri** = (CheckBox)findViewById(R.id.***srilanka***);

**pak** = (CheckBox)findViewById(R.id.***pak***);

**india**.setOnCheckedChangeListener(**new** CompoundButton.OnCheckedChangeListener() {

@Override

**public void** onCheckedChanged(CompoundButton buttonView, **boolean** isChecked) {

**if**(isChecked) {

**str** += **" INDIA "**;

**txt**.setText(**str**);

}

**else**

{

String[] split = **str**.split(**"INDIA"**);

String firstSubString = split[0];

String secondSubString = split[1];

**str** = firstSubString+**" "** +secondSubString;

**txt**.setText(**str**);

}

}

});

**sri**.setOnCheckedChangeListener(**new** CompoundButton.OnCheckedChangeListener() {

@Override

**public void** onCheckedChanged(CompoundButton buttonView, **boolean** isChecked) {

**if**(isChecked) {

**str** += **" SRILANKA "**;

**txt**.setText(**str**);

}

**else**

{

String[] split = **str**.split(**"SRILANKA"**);

String firstSubString = split[0];

String secondSubString = split[1];

**str** = firstSubString+**" "** +secondSubString;

**txt**.setText(**str**);

}

}

});

**pak**.setOnCheckedChangeListener(**new** CompoundButton.OnCheckedChangeListener() {

@Override

**public void** onCheckedChanged(CompoundButton buttonView, **boolean** isChecked) {

**if**(isChecked) {

**str** += **" PAKISTAN "**;

**txt**.setText(**str**);

}

**else**

{

String[] split = **str**.split(**"PAKISTAN"**);

String firstSubString = split[0];

String secondSubString = split[1];

**str** = firstSubString+**" "** +secondSubString;

**txt**.setText(**str**);

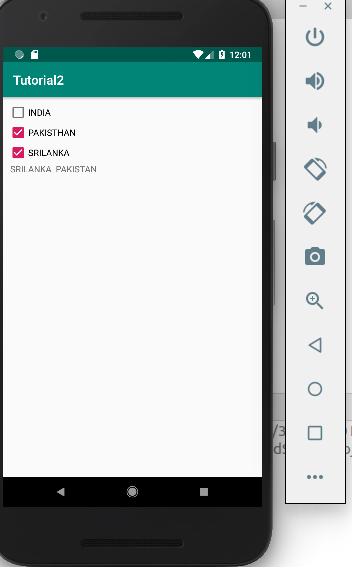
}

}

});

}

}



Tutorial 3

Xml page

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

<**android.support.constraint.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"**>

<**LinearLayout**

**android:id="@+id/linearLayout"**

**android:layout\_width="0dp"**

**android:layout\_height="0dp"**

**android:layout\_marginStart="8dp"**

**android:layout\_marginTop="8dp"**

**android:layout\_marginEnd="8dp"**

**android:layout\_marginBottom="8dp"**

**android:orientation="vertical"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**>

<**CheckBox**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:id="@+id/india"**

**android:text="INDIA"**/>

<**CheckBox**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:id="@+id/pak"**

**android:text="PAKISTHAN"**/>

<**CheckBox**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:id="@+id/srilanka"**

**android:text="SRILANKA"**/>

<**EditText**

**android:id="@+id/textView"**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:text="TextView"** />

</**LinearLayout**>

</**android.support.constraint.ConstraintLayout**>

Java code

**package** com.example.tutorial3;

**import** android.support.v7.app.AppCompatActivity;

**import** android.os.Bundle;

**import** android.widget.CheckBox;

**import** android.widget.CompoundButton;

**import** android.widget.EditText;

**import** android.widget.TextView;

**public class** MainActivity **extends** AppCompatActivity {

EditText **txt**;

CheckBox **india**,**sri**,**pak**;

String **str** = **""**;

@Override

**protected void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main***);

**txt** = (EditText)findViewById(R.id.***textView***);

**india** = (CheckBox)findViewById(R.id.***india***);

**sri** = (CheckBox)findViewById(R.id.***srilanka***);

**pak** = (CheckBox)findViewById(R.id.***pak***);

**india**.setOnCheckedChangeListener(**new** CompoundButton.OnCheckedChangeListener() {

@Override

**public void** onCheckedChanged(CompoundButton buttonView, **boolean** isChecked) {

**if**(isChecked) {

**str** += **" INDIA "**;

**txt**.setText(**str**);

}

**else**

{

String[] split = **str**.split(**"INDIA"**);

String firstSubString = split[0];

String secondSubString = split[1];

**str** = firstSubString+**" "** +secondSubString;

**txt**.setText(**str**);

}

}

});

**sri**.setOnCheckedChangeListener(**new** CompoundButton.OnCheckedChangeListener() {

@Override

**public void** onCheckedChanged(CompoundButton buttonView, **boolean** isChecked) {

**if**(isChecked) {

**str** += **" SRILANKA "**;

**txt**.setText(**str**);

}

**else**

{

String[] split = **str**.split(**"SRILANKA"**);

String firstSubString = split[0];

String secondSubString = split[1];

**str** = firstSubString+**" "** +secondSubString;

**txt**.setText(**str**);

}

}

});

**pak**.setOnCheckedChangeListener(**new** CompoundButton.OnCheckedChangeListener() {

@Override

**public void** onCheckedChanged(CompoundButton buttonView, **boolean** isChecked) {

**if**(isChecked) {

**str** += **" PAKISTAN "**;

**txt**.setText(**str**);

}

**else**

{

String[] split = **str**.split(**"PAKISTAN"**);

String firstSubString = split[0];

String secondSubString = split[1];

**str** = firstSubString+**" "** +secondSubString;

**txt**.setText(**str**);

}

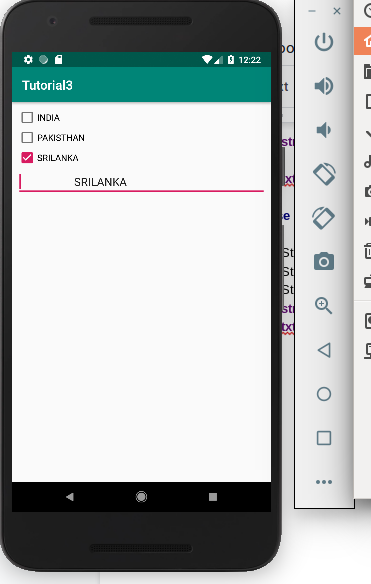
}

});

}

}

Screenshort



Tutorial 4

Xml

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

<**android.support.constraint.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"**>

<**LinearLayout**

**android:id="@+id/linearLayout"**

**android:layout\_width="0dp"**

**android:layout\_height="0dp"**

**android:layout\_marginStart="8dp"**

**android:layout\_marginTop="8dp"**

**android:layout\_marginEnd="8dp"**

**android:layout\_marginBottom="8dp"**

**android:orientation="vertical"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**>

<**ToggleButton**

**android:id="@+id/toggleButton"**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:text="ToggleButton"** />

<**ToggleButton**

**android:id="@+id/toggleButton2"**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:text="ToggleButton"** />

<**Button**

**android:id="@+id/button"**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:text="Button"** />

</**LinearLayout**>

</**android.support.constraint.ConstraintLayout**>

Java code

**package** com.example.tutorial4;

**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 {

Button **b**;

ToggleButton **one**,**two**;

@Override

**protected void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main***);

**b** = (Button)findViewById(R.id.***button***);

**one** = (ToggleButton)findViewById(R.id.***toggleButton***);

**two** = (ToggleButton)findViewById(R.id.***toggleButton2***);

**b**.setOnClickListener(**new** View.OnClickListener() {

@Override

**public void** onClick(View v) {

Toast.*makeText*(getApplicationContext(),**"Toggle 1 : "**+**one**.getText()+**"\nToggle 2 : "**+**two**.getText(),Toast.***LENGTH\_LONG***).show();

}

});

}

}

