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"**);

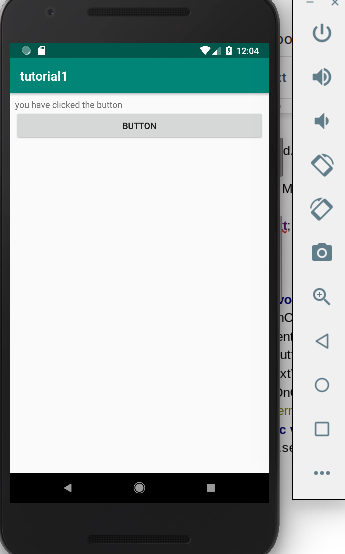
}

});

}

}

Screenshot :



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**TUTORIAL 2**

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"**>

<**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 CODE :

**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**);

}

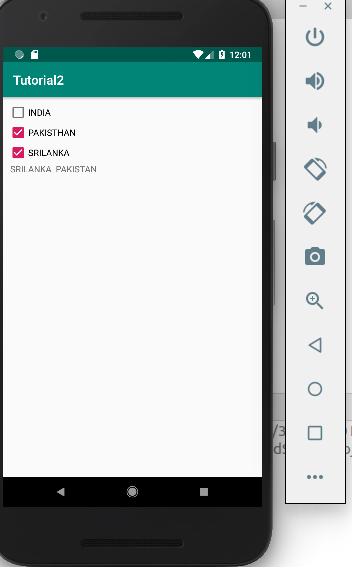
}

});

}

}

Screenshot :



Date 29. 03. 2019 VYSHAK PUTHUSSERI  
YEDHU THAMBI

**TUTORIAL 3**

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"**>

<**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**);

}

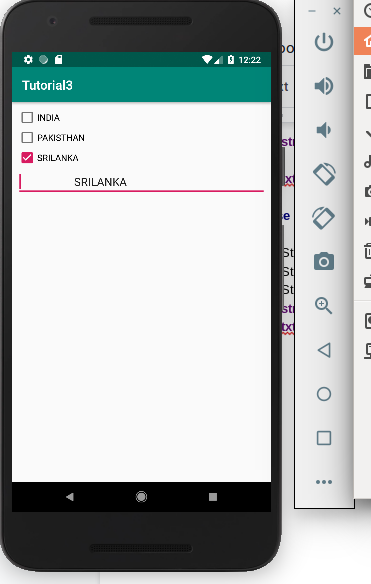
}

});

}

}

Screenshot :



Date 29. 03. 2019 VYSHAK PUTHUSSERI  
YEDHU THAMBI

**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();

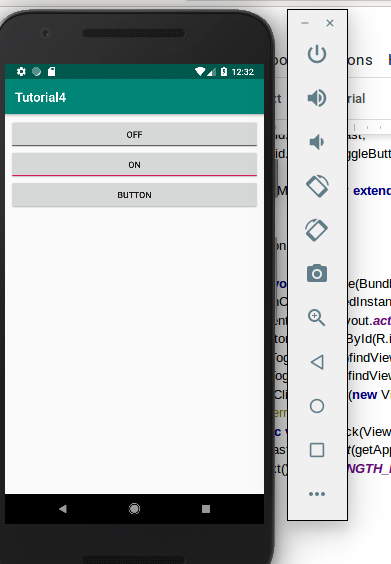
}

});

}

}

Screenshot:



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**TUTORIAL 5**

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="42dp"**

**android:layout\_margin="10dp"**

**android:padding="5dp"**

**android:text="@string/tutorial\_5"**

**android:textAlignment="center"** />

<**RadioGroup**

**android:layout\_width="318dp"**

**android:layout\_height="128dp"**

**android:textAlignment="center"**

**android:id="@+id/sexradiogroup"**>

<**RadioButton**

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

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

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

**android:layout\_weight="1"**

**android:text="@string/male"** />

<**RadioButton**

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

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

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

**android:layout\_weight="1"**

**android:text="@string/female"** />

</**RadioGroup**>

<**TextView**

**android:id="@+id/textView2"**

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

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

**android:layout\_margin="30dp"**

**android:padding="10dp"**

**android:text="@string/selected\_gender"**

**android:textAlignment="center"**

**android:textColorLink="@color/colorAccent"** />

</**LinearLayout**>

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

JAVA CODE :

**package** com.example.tutorial5;

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

**import** android.os.Bundle;

**import** android.view.View;

**import** android.widget.RadioButton;

**import** android.widget.RadioGroup;

**import** android.widget.TextView;

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

RadioGroup **radioGroup**;

RadioButton **male**,**female**;

TextView **textView**;

@Override

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

**super**.onCreate(savedInstanceState);

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

**radioGroup** = findViewById(R.id.***sexradiogroup***);

**textView** = findViewById(R.id.***textView2***);

*// int i = radioGroup.getCheckedRadioButtonId();*

*// radioButton = findViewById(i);*

*// textView.setText(radioButton.getText());*

*// radioButton = findViewById(R.id.female);*

*// textView.setText(radioButton.getText());*

**male** = findViewById(R.id.***male***);

**female** = findViewById(R.id.***female***);

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

@Override

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

**textView**.setText(**"SELECTED SEX : MALE"**);

}

});

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

@Override

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

**textView**.setText(**"SELECTED SEX : FEMALE"**);

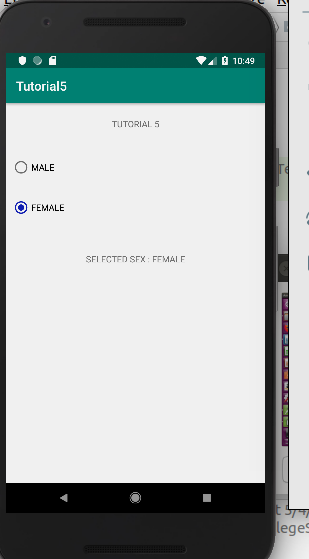
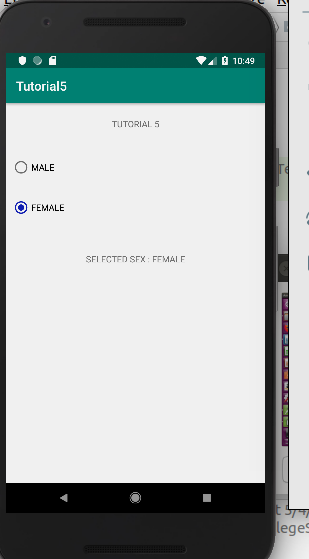
}

});

}

}

ScreenShot



Date 29. 03. 2019 VYSHAK PUTHUSSERI  
YEDHU THAMBI

**TUTORIAL 6**

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:layout\_margin="15dp"**

**android:padding="15dp"**

**android:text="TUTORIAL 5"**

**android:textAlignment="center"**

**android:textColor="@color/colorAccent"** />

<**LinearLayout**

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

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

**android:orientation="vertical"**>

<**AutoCompleteTextView**

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

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

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

**android:layout\_margin="20dp"**

**android:padding="20dp"**

**android:hint="Enter the names like vyshak puthusseri, yedhu thampi,vishnu prashanth, Tyson"**

**android:textColor="@color/colorAccent"** />

</**LinearLayout**>

</**LinearLayout**>

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

JAVA CODE :

**package** com.example.tutorial6;

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

**import** android.os.Bundle;

**import** android.widget.ArrayAdapter;

**import** android.widget.AutoCompleteTextView;

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

String[] **names** = {**"vyshak puthusseri"**,**"vyshnav"**,**"yeanest"**,**"yedhu thampi"**,**"vimuna"**,**"vishnu prashanth"**,**"Tarson"**,**"Tyson"**};

@Override

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

**super**.onCreate(savedInstanceState);

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

ArrayAdapter<String> adapter = **new** ArrayAdapter<String>(**this**, android.R.layout.***select\_dialog\_item***,**names**);

AutoCompleteTextView txt = (AutoCompleteTextView)findViewById(R.id.***autoCompleteTextView***);

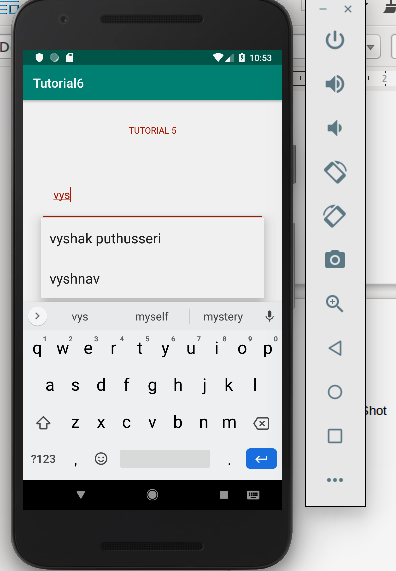
txt.setThreshold(1);*//Start prediction from first character*

txt.setAdapter(adapter);

}

}

ScreenShot



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**TUTORIAL 7**

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"**>

<**ImageView**

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

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

**android:layout\_height="426dp"**

**android:contentDescription="TODO"**

**android:src="@drawable/dora"** />

<**Button**

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

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

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

**android:text="@string/next"** />

</**LinearLayout**>

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

JAVA CODE :

**package** com.example.tutorial7;

**import** android.provider.ContactsContract;

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

**import** android.os.Bundle;

**import** android.view.View;

**import** android.widget.Button;

**import** android.widget.ImageView;

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

Button **nextButton**;

ImageView **imageView**;

**int count** = 0;

@Override

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

**super**.onCreate(savedInstanceState);

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

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

**imageView** = (ImageView)findViewById(R.id.***imageView***);

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

@Override

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

**if**(**count** == 0 ) {

**imageView**.setImageDrawable(getDrawable(R.drawable.***img1***));

**count** = 1;

} **else if**(**count** == 1){

**imageView**.setImageDrawable(getDrawable(R.drawable.***img2***));

**count** = 2;

} **else if**(**count** == 2){

**imageView**.setImageDrawable(getDrawable(R.drawable.***img3***));

**count** = 3;

}**else if**(**count** == 3){

**imageView**.setImageDrawable(getDrawable(R.drawable.***rose***));

**count** = 4;

}**else** {

**imageView**.setImageDrawable(getDrawable(R.drawable.***dora***));

**count** = 0;

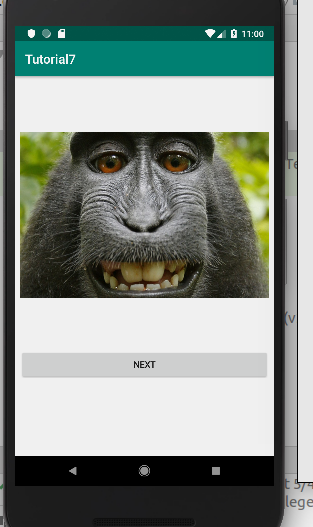
}

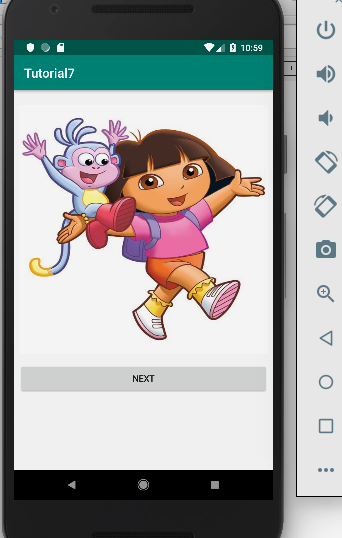
}

});

}

}

ScreenShot



Date 29. 03. 2019 VYSHAK PUTHUSSERI  
YEDHU THAMBI

**TUTORIAL 8**

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"**>

<**ImageView**

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

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

**android:layout\_height="426dp"**

**android:contentDescription="TODO"**

**android:src="@drawable/dora"** />

<**Button**

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

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

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

**android:text="@string/next"** />

</**LinearLayout**>

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

JAVA CODE :

**package** com.example.tutorial7;

**import** android.provider.ContactsContract;

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

**import** android.os.Bundle;

**import** android.view.View;

**import** android.widget.Button;

**import** android.widget.ImageView;

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

Button **nextButton**;

ImageView **imageView**;

**int count** = 0;

@Override

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

**super**.onCreate(savedInstanceState);

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

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

**imageView** = (ImageView)findViewById(R.id.***imageView***);

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

@Override

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

**if**(**count** == 0 ) {

**imageView**.setImageDrawable(getDrawable(R.drawable.***img1***));

**count** = 1;

} **else if**(**count** == 1){

**imageView**.setImageDrawable(getDrawable(R.drawable.***img2***));

**count** = 2;

} **else if**(**count** == 2){

**imageView**.setImageDrawable(getDrawable(R.drawable.***img3***));

**count** = 3;

}**else if**(**count** == 3){

**imageView**.setImageDrawable(getDrawable(R.drawable.***rose***));

**count** = 4;

}**else** {

**imageView**.setImageDrawable(getDrawable(R.drawable.***dora***));

**count** = 0;

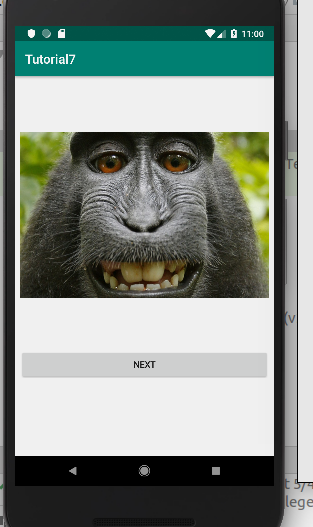
}

}

});

}

}

ScreenShot

