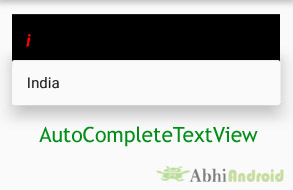
AutoCompleteTextView Tutorial With Example In Android Studio

In Android, [AutoCompleteTextView](https://abhiandroid.com/ui/autocompletetextview/" \o "AutoCompleteTextView" \t "_self) is a view i.e similar to [EditText](https://abhiandroid.com/ui/edittext), except that it displays a list of completion suggestions automatically while the user is typing. A list of suggestions is displayed in drop down menu from which user can choose an item which actually replace the content of Editbox with that.



It is a subclass of [EditText](https://abhiandroid.com/ui/edittext/" \o "EditText" \t "_self) class so we can inherit all the properties of [EditText](https://abhiandroid.com/ui/edittext) in a [AutoCompleteTextView](https://abhiandroid.com/ui/autocompletetextview/" \o "AutoCompleteTextView" \t "_self).

**AutoCompleteTextView code in XML:**

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**AutoCompleteTextView code in XML:**

<AutoCompleteTextView

android:id="@+id/simpleAutoCompleteTextView"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:text="This is an AutoCompleteTextView"/>

#### ****Using Array Adapter To Display Text Values In AutoCompleteTextView:****

To display the Array content in an [autocompletetextview](https://abhiandroid.com/ui/autocompletetextview/" \o "AutoCompleteTextView" \t "_self) we need to implement [Adapter](https://abhiandroid.com/ui/adapter/). In AutoCompleteTextView we mainly display text values so we use Array [Adapter](https://abhiandroid.com/ui/adapter/) for that.

**ArrayAdapter In Android:**

ArrayAdapter is used when we need list of single type of items which is backed by an Array. For example, list of phone contacts, countries or names.

**ArrayAdapter code:**

ArrayAdapter(Context context, int resource, int textViewResourceId, T[] objects)

For more details on ArrayAdapter,parameter used and more details please read [ArrayAdapter tutorial](https://abhiandroid.com/ui/arrayadapter-tutorial-example.html).

#### ****Retrieving the Value From AutoCompleteTextView In Java Class:****

Below code retrieve the value from a AutoCompleteTextView in [Java](https://abhiandroid.com/java/) class.

AutoCompleteTextView simpleAutoCompleteTextView = (AutoCompleteTextView) findViewById(R.id.simpleAutoCompleteTextView);

String AutoCompleteTextViewValue = simpleAutoCompleteTextView.getText().toString();

#### ****AutoCompleteTextView Example in Android Studio:****

In the example of AutoCompleteTextView we display a auto complete [text view](https://abhiandroid.com/ui/textview/) with suggestion list which [include](https://abhiandroid.com/ui/include-merge-tag/) country list. To fill the data in country list we implement an Array [Adapter](https://abhiandroid.com/ui/adapter/). Below is the final output, download code and step by step tutorial:

[Download Code](https://github.com/abhisheksaini4/AutoCompleteTextView)

**Step 1:** [Create a new project](https://abhiandroid.com/androidstudio/start-create-project) and name it AutoCompleteTextViewExample.

**Step 2:** Open res -> layout -> activity\_mail.[xml](https://abhiandroid.com/ui/xml/) (or) main.xml and add following code:

In this step we open an xml file and add the code for displaying an auto complete [text view](https://abhiandroid.com/ui/textview/) by using different attributes as we discussed earlier in this article.

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

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

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:paddingBottom="@dimen/activity\_vertical\_margin"

android:paddingLeft="@dimen/activity\_horizontal\_margin"

android:paddingRight="@dimen/activity\_horizontal\_margin"

android:paddingTop="@dimen/activity\_vertical\_margin"

tools:context="abhiandroid.com.autocompletetextviewtexting.MainActivity">

<AutoCompleteTextView

android:id="@+id/simpleAutoCompleteTextView"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:background="#000"

android:hint="Enter Your Name Here"

android:padding="15dp"

android:textColorHint="#fff"

android:textStyle="bold|italic" />

</RelativeLayout>

**Step 3:** Open app -> package -> MainActivity.[java](https://abhiandroid.com/java/)

In this step we open MainActivity where we add the code to initiate the auto complete [text view](https://abhiandroid.com/ui/textview/) and then fill the data in the suggestion list by using an [Array Adapter](https://abhiandroid.com/ui/arrayadapter-tutorial-example.html).

package example.abhiandriod.autocompletetextviewexample;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuItem;

import android.widget.ArrayAdapter;

import android.widget.AutoCompleteTextView;

public class MainActivity extends AppCompatActivity {

String[] countryNameList = {"India", "China", "Australia", "New Zealand", "England", "Pakistan"};

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

//initiate an auto complete text view

AutoCompleteTextView simpleAutoCompleteTextView = (AutoCompleteTextView) findViewById(R.id.simpleAutoCompleteTextView);

ArrayAdapter adapter = new ArrayAdapter(this, android.R.layout.simple\_list\_item\_1, countryNameList);

simpleAutoCompleteTextView.setAdapter(adapter);

simpleAutoCompleteTextView.setThreshold(1);//start searching from 1 character

simpleAutoCompleteTextView.setAdapter(adapter); //set the adapter for displaying country name list

}

}