SearchView Tutorial With Example In Android Studio

In Android, [SearchView](https://abhiandroid.com/ui/searchview/" \o "SearchView" \t "_self) widget provide search user interface where users can enter a search query and then submit a request to search provider. It shows a list of query suggestions or results if available and allow the users to pick a suggestion or result to launch into.



**Basic SearchView code in XML:**

<SearchView

android:id="@+id/simpleSearchView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

**Table Of Contents**[[hide](https://abhiandroid.com/ui/searchview)]

* [1 SearchView Methods In Android:](https://abhiandroid.com/ui/searchview#SearchView_Methods_In_Android)
* [2 Attributes of SearchView:](https://abhiandroid.com/ui/searchview#Attributes_of_SearchView)
* [3 SearchView Example In Android Studio:](https://abhiandroid.com/ui/searchview#SearchView_Example_In_Android_Studio)

**SearchView Methods In Android:**

Let’s we discuss some important methods of [search view](https://abhiandroid.com/ui/searchview/) that may be called in order to manage the [search view](https://abhiandroid.com/ui/searchview/).

**1. getQuery():** This function is used to get the query string currently in the text field of a [search view](https://abhiandroid.com/ui/searchview/). This method returns CharSequence type value.

.

**2. getQueryHint():** This function is used for getting the hint text that will be displayed in the query text field. This method returns a CharSequence type value.

Below is an example code which get the hint text that will be displayed in the query text field of a search view.

**3. isIconfiedByDefault():** This method returns the default iconified state of the search field. This method returns a Boolean value either true or false.

Below we get the default state of the search field.

**4. setIconifiedByDefault(Boolean iconify):** This method is used to set the default or resting state of the search field. In this method we set Boolean value true or false.

**5. setQueryHint(CharSequence hint):** This method is used to set the hint text to display in the query text field. This method support CharSequence type value.

**6.setOnQueryTextFocusChangeListener(OnFocusChangeListenerlistener):** This listener inform when the focus of the query text field changes.

**7. setOnQueryTextListener(OnQueryTextListenerlistener):** It is a user action within the SearchView.

**searchView**.setOnQueryTextListener(**object** : SearchView.OnQueryTextListener {  
 **override fun** onQueryTextSubmit(query: String): Boolean {  
 **if** (**list**.contains(query)) {  
 **adapter**.*filter*.filter(query)  
 } **else** {  
 Toast.makeText(**this**@MainActivity, **"No Match found"**, Toast.*LENGTH\_LONG*).show()  
 }  
 **return false** }  
 **override fun** onQueryTextChange(newText: String): Boolean {  
 **adapter**.*filter*.filter(newText)  
 **return false** }  
})

private fun performSearch() {

binding.searchView.setOnQueryTextListener(object : SearchView.OnQueryTextListener {

override fun onQueryTextSubmit(query: String?): Boolean {

search(query)

return true

}

override fun onQueryTextChange(newText: String?): Boolean {

search(newText)

return true

}

})

}

#### ****Attributes of SearchView:****

1. **Id:** id attribute is used to uniquely identify a search view.
2. **queryHint:** This attribute ia used to set optional query hint string which will be displayed in the empty query field. Query hint is same as hint attribute for [edittext](https://abhiandroid.com/ui/edittext/).

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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"**>  
  
 <**ListView  
 android:id="@+id/listView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_below="@+id/searchView"  
 android:divider="#ad5"  
 android:dividerHeight="2dp"**/>  
 <**SearchView  
 android:id="@+id/searchView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:iconifiedByDefault="false"  
 android:queryHint="Search Here"**/>  
  
  
</**RelativeLayout**>

1. 