**SearchView.java**

**package** com.example.chinmay.firebase;  
  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.widget.Toast;  
  
**import** com.google.firebase.database.DataSnapshot;  
**import** com.google.firebase.database.DatabaseError;  
**import** com.google.firebase.database.DatabaseReference;  
**import** com.google.firebase.database.FirebaseDatabase;  
**import** com.google.firebase.database.Query;  
**import** com.google.firebase.database.ValueEventListener;  
  
  
**public class** SearchView **extends** AppCompatActivity {  
 SearchView **searchView**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_search\_view***);  
  
 DatabaseReference mFirebaseDatabaseReference = FirebaseDatabase.*getInstance*().getReference();  
 Query query = mFirebaseDatabaseReference.child(**"userTasks"**).orderByChild(**"editText2"**).equalTo(**searchView**.getText().toString());  
 ValueEventListener valueEventListener = **null**;  
 DatabaseReference.addValueEventListener(valueEventListener);  
  
 ValueEventListener valueEventListener = **new** ValueEventListener()  
 {  
 @Override  
 **public void** onDataChange(DataSnapshot dataSnapshot)  
 {  
 **for** (DataSnapshot postSnapshot : dataSnapshot.getChildren())  
 {  
 Toast.makeText(getApplication(),dataSnapshot.getValue()+**""**,Toast.LENGTH\_LONG0.show();  
 *//****TODO get the data here*** }  
  
 }  
  
 @Override  
 **public void** onCancelled(DatabaseError databaseError)  
 {  
  
 }  
 };  
 }  
}

activity\_search-view.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="com.example.chinmay.firebase.SearchView"**>  
  
 <**SearchView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 tools:layout\_editor\_absoluteY="8dp"  
 android:layout\_marginRight="8dp"  
 android:id="@+id/searchview"  
 app:layout\_constraintRight\_toRightOf="parent"** />  
</**android.support.constraint.ConstraintLayout**>

Main2Activity.java

**package** com.example.chinmay.firebase;  
  
**import** android.support.v7.app.AppCompatActivity;  
 **import** android.os.Bundle;  
 **import** android.widget.ArrayAdapter;  
 **import** android.widget.ListView;  
  
 **import** com.google.firebase.database.ChildEventListener;  
 **import** com.google.firebase.database.DataSnapshot;  
**import** com.google.firebase.database.DatabaseError;  
  
**import** java.util.ArrayList;  
  
**public class** Main2Activity **extends** AppCompatActivity {  
 **private** Firebase **mref** = **new** Firebase(**"https://fir-b1318.firebaseio.com/"**);  
 **private** ArrayList<String> **mUsername** = **new** ArrayList<>();  
 **private** ListView **mListView**;  
  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main2***);  
 **mListView** = (ListView) findViewById(R.id.***ls1***);  
 **final** ArrayAdapter<String> arrayAdapter = **new** ArrayAdapter<String>(**this**, android.R.layout.***simple\_list\_item\_1***, **mUsername**);  
 **mListView**.setAdapter(arrayAdapter);  
 **mref**.addChildEventListener(**new** ChildEventListener() {  
 @Override  
 **public void** onChildAdded(DataSnapshot dataSnapshot, String s) {  
 String value = dataSnapshot.getValue(String.**class**);  
 **mUsername**.add(value);  
 arrayAdapter.notifyDataSetChanged();  
  
 }  
  
 **public void** onChildChanged(DataSnapshot dataSnapshot, String s) {  
  
 }  
  
 **public void** onChildRemoved(DataSnapshot dataSnapshot) {  
  
 }  
  
 **public void** onChildMoved(DataSnapshot dataSnapshot, String s) {  
  
 }  
  
 @Override  
 **public void** onCancelled(DatabaseError databaseError) {  
  
 }  
  
 });  
 }  
  
}

activity\_main2.xml

*<?***xml version="1.0" encoding="utf-8"***?>* <**RelativeLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 tools:context="com.example.chinmay.firebase.Main2Activity"  
 xmlns:tools="http://schemas.android.com/tools"  
 xmlns:android="http://schemas.android.com/apk/res/android"** >  
 <**ListView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/ls1"** ></**ListView**>  
  
 </**RelativeLayout**>

Note:

If we add view in the home page,then items entered into the firebase will be displayed in the form of listen then code would be.

activity\_main.xml

*<?***xml version="1.0" encoding="utf-8"***?>* <**RelativeLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 tools:context="com.example.chinmay.firebase.MainActivity"  
 xmlns:tools="http://schemas.android.com/tools"  
 xmlns:android="http://schemas.android.com/apk/res/android"**>  
  
 <**Button  
 android:id="@+id/button1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Save"  
 android:layout\_below="@+id/editText2"  
 android:layout\_marginTop="20dp"  
 tools:layout\_editor\_absoluteX="148dp"  
 tools:layout\_editor\_absoluteY="257dp"** />  
  
 <**Button  
 android:id="@+id/button2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/view"  
 android:layout\_below="@+id/button1"  
 android:layout\_marginTop="20dp"  
 tools:layout\_editor\_absoluteX="148dp"  
 tools:layout\_editor\_absoluteY="257dp"** />  
  
 <**EditText  
 android:id="@+id/editText1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:hint="Products"  
 android:layout\_marginTop="35dp"  
 tools:layout\_editor\_absoluteX="48dp"  
 tools:layout\_editor\_absoluteY="33dp"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**EditText  
 android:id="@+id/editText2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:layout\_marginTop="20dp"  
 android:layout\_below="@+id/editText1"  
 android:inputType="textPersonName"  
 android:hint="Name"  
 tools:layout\_editor\_absoluteX="48dp"  
 tools:layout\_editor\_absoluteY="114dp"** />  
  
 </**RelativeLayout**>

MainActivity.java

**package** com.example.chinmay.firebase;  
  
**import** android.app.ProgressDialog;  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
  
**import** com.google.firebase.FirebaseApp;  
**import** com.google.firebase.database.DatabaseReference;  
**import** com.google.firebase.database.FirebaseDatabase;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 **private** Button **save**,**view**;  
 **private** EditText **products**,**name**;  
 **private** Firebase **mref**;  
 **private** ProgressDialog **progressDialog**;  
 FirebaseDatabase **firebaseDatabase**;  
 DatabaseReference **databaseReference**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **view** = (Button) findViewById(R.id.***button2***);  
 **save** = (Button) findViewById(R.id.***button1***);  
 *// Firebase.setAndroidContext(this);* **mref** =**new** Firebase(**"https://fir-b1318.firebaseio.com/"**);  
 **products** = (EditText) findViewById(R.id.***editText1***);  
 **name** = (EditText) findViewById(R.id.***editText2***);  
 **save**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 String value1=**products**.getText().toString();  
 String key1=**name**.getText().toString();  
 Firebase mrefchild = **mref**.child(key1);  
 mrefchild.setValue(value1);  
 }  
 });  
  
 **view**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent in = **new** Intent(**view**.getContext(), SearchView.**class**);  
 startActivity(in);  
 }  
 });  
  
 }  
 }