

HelloListView.java

```
//This demo is from
http://developer.android.com/resources/tutorials/views/hello-listview.html with additions
made by Mac Dougherty
//Android

package com.macdougherty.hellolistview;

import android.app.ListActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.TextView;
import android.widget.Toast;

public class HelloListView extends ListActivity {
    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

        //This adapter creates the list filled with the name of countries.
        setListAdapter(new ArrayAdapter<String>(this, R.layout.list_item, COUNTRIES));

        //This method is assigning the variable lv to the list that was just created.
        ListView lv = getListView();

        //This is an interesting method, by using this you can type the country you want
        and it will locate it
        lv.setTextFilterEnabled(true);

        //Just like a button, the contents of the list are being chosen
        lv.setOnItemClickListener(new OnItemClickListener()
        {
            /*
             For this to work, you need to choose the AdapterView or the List being used,
             by selecting parent, the computer decides
             to use the list that is in this onCreate method. Next, is what View you
             want. You choose the default which is normal view.
             The position is next. The position is chosen by which item you choose,
             remember ListActivities order their objects
             0 to n-1. Next, the method requires what the name of the object is. In
             order to account for overflow, Android suggests
             that you use a long.*/
            public void onItemClick(AdapterView<?> parent, View view, int position, long
id)
            {
                Toast.makeText(getApplicationContext(), ((TextView) view).getText(),
Toast.LENGTH_SHORT).show();
            }
        });
    }

    //Although this assignment statement is outside of the main method, it is easier to
```

HelloListView.java

assign a constant outside of the main for it to by list.

```
static final String[] COUNTRIES = new String[] {  
    "Afghanistan", "Albania", "Algeria", "American Samoa", "Andorra",  
    "Angola", "Anguilla", "Antarctica", "Antigua and Barbuda", "Argentina",  
    "Armenia", "Aruba", "Australia", "Austria", "Azerbaijan",  
    "Bahrain", "Bangladesh", "Barbados", "Belarus", "Belgium",  
    "Belize", "Benin", "Bermuda", "Bhutan", "Bolivia",  
    "Bosnia and Herzegovina", "Botswana", "Bouvet Island",  
    "Brazil", "British Indian Ocean Territory",  
    "British Virgin Islands", "Brunei", "Bulgaria", "Burkina Faso", "Burundi",  
    "Cote d'Ivoire", "Cambodia", "Cameroon", "Canada", "Cape Verde",  
    "Cayman Islands", "Central African Republic", "Chad", "Chile", "China",  
    "Christmas Island", "Cocos (Keeling) Islands", "Colombia", "Comoros", "Congo",  
    "Cook Islands", "Costa Rica", "Croatia", "Cuba", "Cyprus", "Czech Republic",  
    "Democratic Republic of the Congo", "Denmark", "Djibouti", "Dominica",  
    "Dominican Republic",  
    "East Timor", "Ecuador", "Egypt", "El Salvador", "Equatorial Guinea",  
    "Eritrea",  
    "Estonia", "Ethiopia", "Faeroe Islands", "Falkland Islands", "Fiji", "Finland",  
    "Former Yugoslav Republic of Macedonia", "France", "French Guiana", "French  
Polynesia",  
    "French Southern Territories", "Gabon", "Georgia", "Germany", "Ghana",  
    "Gibraltar",  
    "Greece", "Greenland", "Grenada", "Guadeloupe", "Guam", "Guatemala", "Guinea",  
    "Guinea-Bissau",  
    "Guyana", "Haiti", "Heard Island and McDonald Islands", "Honduras", "Hong  
Kong", "Hungary",  
    "Iceland", "India", "Indonesia", "Iran", "Iraq", "Ireland", "Israel", "Italy",  
    "Jamaica",  
    "Japan", "Jordan", "Kazakhstan", "Kenya", "Kiribati", "Kuwait", "Kyrgyzstan",  
    "Laos",  
    "Latvia", "Lebanon", "Lesotho", "Liberia", "Libya", "Liechtenstein",  
    "Lithuania", "Luxembourg",  
    "Macau", "Madagascar", "Malawi", "Malaysia", "Maldives", "Mali", "Malta",  
    "Marshall Islands",  
    "Martinique", "Mauritania", "Mauritius", "Mayotte", "Mexico", "Micronesia",  
    "Moldova",  
    "Monaco", "Mongolia", "Montserrat", "Morocco", "Mozambique", "Myanmar",  
    "Namibia",  
    "Nauru", "Nepal", "Netherlands", "Netherlands Antilles", "New Caledonia", "New  
Zealand",  
    "Nicaragua", "Niger", "Nigeria", "Niue", "Norfolk Island", "North Korea",  
    "Northern Marianas",  
    "Norway", "Oman", "Pakistan", "Palau", "Panama", "Papua New Guinea",  
    "Paraguay", "Peru",  
    "Philippines", "Pitcairn Islands", "Poland", "Portugal", "Puerto Rico",  
    "Qatar",  
    "Reunion", "Romania", "Russia", "Rwanda", "Sgo Tome and Principe", "Saint  
Helena",  
    "Saint Kitts and Nevis", "Saint Lucia", "Saint Pierre and Miquelon",  
    "Saint Vincent and the Grenadines", "Samoa", "San Marino", "Saudi Arabia",  
    "Senegal",  
    "Seychelles", "Sierra Leone", "Singapore", "Slovakia", "Slovenia", "Solomon  
Islands",  
    "Somalia", "South Africa", "South Georgia and the South Sandwich Islands",  
    "South Korea",  
    "Spain", "Sri Lanka", "Sudan", "Suriname", "Svalbard and Jan Mayen",  
    "Swaziland", "Sweden",
```

HelloListView.java

```
"Switzerland", "Syria", "Taiwan", "Tajikistan", "Tanzania", "Thailand", "The
Bahamas",
"The Gambia", "Togo", "Tokelau", "Tonga", "Trinidad and Tobago", "Tunisia",
"Turkey",
"Turkmenistan", "Turks and Caicos Islands", "Tuvalu", "Virgin Islands",
"Uganda",
"Ukraine", "United Arab Emirates", "United Kingdom",
"United States", "United States Minor Outlying Islands", "Uruguay",
"Uzbekistan",
"Vanuatu", "Vatican City", "Venezuela", "Vietnam", "Wallis and Futuna",
"Western Sahara",
"Yemen", "Yugoslavia", "Zambia", "Zimbabwe" };
}
```