

Dani Garrido – Exercise ListView1

version 1: <https://github.com/dnn98/ListViewEx1/releases/tag/1.0>

version 2: <https://github.com/dnn98/ListViewEx1/releases/tag/2.0>

activity_main.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent">
    <TextView
        android:id="@+id/selection"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content" />
    <ListView
        android:id="@android:id/list"
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:drawSelectorOnTop="false" />
</LinearLayout>
```

row.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
    <ImageView
        android:id="@+id/icon"
        android:layout_width="53dp"
        android:layout_height="match_parent"
        android:padding="2dip"
        android:scaleType="centerCrop"
        android:src="@android:drawable/checkbox_on_background" />
    <TextView
        android:id="@+id/label"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="40sp"
    />
</LinearLayout>
```

MainActivity.java

```
package com.example.listview1;

import androidx.appcompat.app.AppCompatActivity;

import android.app.ListActivity;
import android.os.Bundle;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ArrayAdapter;
import android.widget.ImageView;
import android.widget.ListView;
import android.widget.TextView;

public class MainActivity extends ListActivity {
    private TextView selection;
    private static final String[] items = {
        "lorem",
        "ipsum",
        "dolor",
        "sit",
        "amet",
        "consectetuer",
        "adipiscing",
        "elit",
        "morbi",
        "vel",
        "ligula",
        "vitae",
        "arcu",
        "aliquet",
        "mollis",
        "etiam",
        "vel",
        "erat",
        "placerat",
        "ante",
        "porttitor",
        "sodales",
        "pellentesque",
        "augue",
        "purus"
    };
    @Override public void onCreate(Bundle icle) {
        super.onCreate(icle);
        setContentView(R.layout.activity_main);
        setListAdapter(new IconicAdapter());
        selection = (TextView) findViewById(R.id.selection);
    }
    public void onItemClick(ListView parent, View v, int position, long id) {
        selection.setText(items[position]);
    }

    class IconicAdapter extends ArrayAdapter<String> {
        IconicAdapter() {
            super(MainActivity.this, R.layout.row, R.id.label, items);
        }

        public View getView(int position, View convertView, ViewGroup parent) {
            View row = super.getView(position, convertView, parent);
            ImageView icon = (ImageView) row.findViewById(R.id.icon);

            if (items[position].length() > 4) {
                icon.setImageResource(R.drawable.cancel);
            } else {
                icon.setImageResource(R.drawable.checkmark);
            }
        }
    }
}
```

```
        return row;
    }

}
```

