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Block02

Activity main

<?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=".MainActivity">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="16dp"  
 android:text="@string/textView\_prompt"  
 app:layout\_constraintHorizontal\_bias="0.05"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <ListView  
 android:id="@+id/ListView"  
 android:layout\_width="395dp"  
 android:layout\_height="680dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginTop="8dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView" />  
  
</android.support.constraint.ConstraintLayout>

Main\_Activity

package com.example.block02;  
  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter;  
import android.widget.ListView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 ListView ListViewAnimals = (ListView)findViewById(R.id.*ListView*);  
 final ArrayAdapter<CharSequence> AdapterAnimals = ArrayAdapter.*createFromResource*(this,  
 R.array.*animalsArray*,  
 android.R.layout.*simple\_list\_item\_1*);  
 ListViewAnimals.setAdapter(AdapterAnimals);  
  
 ListViewAnimals.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
 @Override  
 public void onItemClick(AdapterView<?> adapterView, View view, int i, long l) {  
 String message = getString(R.string.*toastMessage*) + AdapterAnimals.getItem(i);  
 Toast.*makeText*(getApplicationContext(),  
 message,  
 Toast.*LENGTH\_SHORT*).show();  
  
 }  
 });  
  
 }  
}

string

<resources>  
 <string name="app\_name">Block02</string>  
 <string name="textView\_prompt">Pick an Animal:</string>  
 <string name="dog">Dog</string>  
 <string name="cat">Cat</string>  
 <string name="pig">Pig</string>  
 <string name="horse">Horse</string>  
 <string name="toastMessage">You picked</string>  
 <string-array name="animalsArray">  
 <item>@string/dog</item>  
 <item>@string/cat</item>  
 <item>@string/pig</item>  
 <item>@string/horse</item>  
  
 </string-array>  
  
</resources>

