*/\*\* Deborah Barndt  
 \* 4-27-17  
 \* MainActivity.java  
 \* Lab 8  
 \* This program create a spinner dropdown control which acts as a data  
 \* bound control, to return analytical information retrieved from your  
 \* database table.  
  
 \* Written by Deborah Barndt.  
 \*/***package** com.example.u2.bookreviews;  
  
**import** android.database.Cursor;  
**import** android.database.sqlite.SQLiteDatabase;  
**import** android.database.sqlite.SQLiteException;  
**import** android.nfc.Tag;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.util.Log;  
**import** android.view.View;  
**import** android.widget.AdapterView;  
**import** android.widget.ArrayAdapter;  
**import** android.widget.ListView;  
**import** android.widget.Spinner;  
**import** android.widget.Toast;  
  
**import** java.util.ArrayList;  
**import** java.util.Collection;  
**import** java.util.Collections;  
**import** java.util.Comparator;  
**import** java.util.List;  
  
**public class** MainActivity **extends** AppCompatActivity **implements** AdapterView.OnItemSelectedListener  
{  
 SqlHelper **db** = **new** SqlHelper(**this**);  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState)  
 {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **int** total = 0;  
  
 *// Spinner element* Spinner spinner;  
  
 *// Spinner element* spinner = (Spinner) findViewById(R.id.***analytics\_spinner***);  
  
 *// Create spinner item listing.* List<String> blist = **new** ArrayList<String>();  
 blist.add(**"Get Highest Rated Title(s)"**);  
 blist.add(**"Get Lowest Rated Title(s)"**);  
 blist.add(**"Retrieve Title(s) with Android"**);  
 blist.add(**"Get Record Count"**);  
  
 *// Sort list in alphabetical order.* Collections.*sort*(blist, **new** Comparator<String>()  
 {  
 @Override  
 **public int** compare(String lhs, String rhs)  
 {  
 **return** lhs.compareTo(rhs);  
 }  
 });  
  
 blist.add(0, **"Select Analytics..."**);  
  
 ArrayAdapter<String>adapter = **new** ArrayAdapter<String>(MainActivity.**this**,  
 android.R.layout.***simple\_spinner\_item***, blist);  
  
 adapter.setDropDownViewResource(android.R.layout.***simple\_spinner\_dropdown\_item***);  
 spinner.setAdapter(adapter);  
 spinner.setWillNotDraw(**false**);  
 spinner.setOnItemSelectedListener(**this**);  
 *//spinner.setPrompt("Select Analytics...");  
  
 //Log.d("Book", "Deborah Barndt");  
  
 //db = new SqlHelper(this);  
  
 // Crud operations start here.  
 // Add books.  
 //db.addBook(new Book("ITMD 455: Lab 6", "Deborah Barndt"));  
 //db.addBook(new Book("Android Studio Development Essentials", "Neil Smyth"));  
 //db.addBook(new Book("Beginning Android Application Development", "Wei-Meng Lee"));  
 //db.addBook(new Book("Programming Android", "Wallace Jackson"));  
 //db.addBook(new Book("Hello, Android", "Ben Jackson"));  
  
 // Get all the books.  
 //List<Book> list = db.getAllBooks();  
  
 // Update one book.  
 //int j = db.updateBook(list.get(3), "Hello, Android", "Ben Jackson");  
  
 // Delete one book.  
 //db.deleteBook(list.get(0));  
  
 // Get all the books.  
 //db.getAllBooks();  
  
 /\*ListView listContent = (ListView) findViewById(R.id.list);  
 list = new ArrayList<Book>();  
 list = db.getAllBooks();  
  
 // Get data from the table by the ListAdapter.  
 ListAdapter customAdapter = new ListAdapter(this, R.layout.itemlistrow, list);  
 listContent.setAdapter(customAdapter);\*/  
  
 // Get count of all books.  
 //db.getIds(total);  
  
 // Print total number of books in the Logcat file.  
 //Log.d("Books", "Total Books: " + total);* }  
  
 @Override  
 **public void** onItemSelected(AdapterView<?>arg0, View arg1, **int** position,  
 **long** arg3)  
 {  
 **switch**(position)  
 {  
 **case** 1:  
 *// Get the query result for Highest rated title(s)  
 // and display the query result(s) in a Toast message.* Toast.*makeText*(**this**, **"Title :: "** + **db**.getRatingMax(),  
 Toast.***LENGTH\_LONG***).show();  
 **break**;  
  
 **case** 2:  
 *// Get the query result for lowest rated title(s)  
 // and display the query result(s) in a Toast message.* Toast.*makeText*(**this**, **"Title :: "** + **db**.getRatingMin(),  
 Toast.***LENGTH\_LONG***).show();  
 **break**;  
  
 **case** 3:  
 Toast.*makeText*(**this**, **"Record Count :: "** + **db**.getTotal(),  
 Toast.***LENGTH\_LONG***).show();  
 **break**;  
  
 **case** 4:  
 Toast.*makeText*(**this**, **"Title :: "** + **db**.getBooks(),  
 Toast.***LENGTH\_LONG***).show();  
 **break**;  
 }  
  
  
 }  
  
 */\*@Override  
 public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {  
  
 }\*/* @Override  
 **public void** onNothingSelected(AdapterView<?>arg0)  
 {  
  
 }  
  
}