**Store**

**Background**:

The constructor of Store contains the creation of a list of Item objects (id/inventory integer pairs). The idea behind the data type Item is to simulate an item in a store that is being tracked with a bar code id number (or value) for identification purposes. Each item in the store is tracked with both an id value and an inventory amount. Each id value in is unique.

**Assignment**:

Write a Store class capable of doing each of the following:

* sort the data, in increasing order of id number
* print the data, in order

Output example:

Id Inv

184 14

196 60

206 31

584 85

768 85

2370 65

3433 5

3679 87

4329 64

5529 11

6265 58

6835 94

6992 76

7282 73

8303 90

9267 68

etc.

You will need to complete the compareTo(), equals() and toString() methods for the Item class.

You will need to complete the Store() constructor and displayStore() methods for the Store class.

You will need to complete the sortList()and swap()methods for the Sort class.