

Lab Goal : This lab was designed to teach you more about a linked list and how to use a linked list to create a data structure.

Lab Description : Complete the ThingCount class and use ThingTester.java to test your class to ensure that it works correctly. You will use ThingCount to store objects and letter counts. For Part 2, you will create a list of ListNodes storing ThingCounts.

ThingCount – stores an Object and the Object's count

```
class ThingCount implements Comparable
{
    private int count;
    private Object thing;

    public ThingCount(){
    }

    public ThingCount(Object thang, int cnt){
    }

    public int getCount(){
        return 0;
    }

    public void setThing(Object obj){
    }

    public void setCount(int cnt){
    }

    public Object getThing(){
        return null;
    }

    public boolean equals(Object obj){
        ThingCount other = (ThingCount)obj;

        return false;
    }

    public int compareTo(Object obj){
        ThingCount other = (ThingCount)obj;

        return -1;
    }

    public String toString(){
        return ""+ getThing() + " - " + getCount();
    }
}
```

Sample Data (ThingTester.java) :

See the main of ThingTester.java.

Sample Output :

```
null - 0
A - 5
hello - 7
7
54.12 - 22
```

false
true