LINKED LISTS WORKSHEET - HISTO TWO A

Using Linked Lists to create a histogram of data

Lab Description : Complete the ThingCount class and use ThingCountRunner.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

```java
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();
    }
}
```

> **Files Needed ::**
>
> `ThingCount.java`
> `ThingCountRunner.java`

> **When finished :**
>
> Move on to Histogram Two B

Sample Data (ThingCountRunner.java) :

See the main method of ThingCountRunner.java.

Sample Output :

```
null - 0
A - 5
```

```
hello - 7
7
54.12 - 22
false
true
```