Lab Goal: This lab was designed to teach you more about binary trees.

Lab Description: Write a program that uses nodes to store letters and letter counts. The data structure created for this program is similar to a Map. In each node, you will store a Comparable reference, a count of how many of that Comparable has occurred, and references to the node's left and right nodes.

HistoNode - stores a letter, the letter's count, and references to the node's left and right nodes

```
public class HistoNode
  private Comparable data;
  private int dataCount;
  private HistoNode left;
  private HistoNode right;
  public HistoNode(Comparable d, int cnt, HistoNode lft, HistoNode rt){
      data=d;
     dataCount=cnt;
     left=lft;
     right=rt;
  public Comparable getData(){
     return data;
  public int getDataCount(){
     return dataCount;
  public HistoNode getLeft(){
     return left;
  public HistoNode getRight(){
     return right;
  public void setData(Comparable d){
     data=d;
  public void setDataCount(int cnt){
      dataCount=cnt;
  public void setLeft(HistoNode lft){
     left=lft;
   public void setRight(HistoNode rt){
     right=rt;
}
```

Sample Data:

```
A A A A B V S E A S A A V S E A
1 2 3 11 22 32 1 22 13
abc ead xyz xyz abc ead 2342 z2y2z
```

Sample Output:

```
A - 8 B - 1 E - 2 S - 3 V - 2
1 - 2 2 - 1 3 - 1 11 - 1 13 - 1 22 - 2 32 - 1
2342 - 1 abc - 3 ead - 2 x2y2z - 1 xyz - 2
```