

**Lab Goal :** This lab was designed to teach you more about a heap and a heap sort.

**Lab Description :** Take your heap lab and use it to make a heapSort. You will need to research the heapSort to determine the best way to utilize your existing heap lab code.

**Sample Data :**

```
99,2,8,75,10,7,9,17,5,3,4,1,11,1  
-3,28,18,5,3,17,29,6,5,3,4,1,11,1
```

**Sample Output :**

```
[1, 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 17, 75, 99]  
[-3, 1, 1, 3, 3, 4, 5, 5, 6, 11, 17, 18, 28, 29]
```

**Files Needed ::**

```
HeapSort.java  
Lab18c.java
```