

# Java – Mr. Ascione

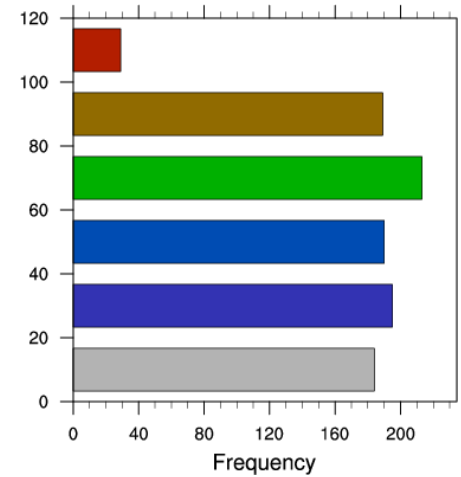
## Histogram

**SPEC:** Take a list of numbers that range in value from 0 to 9 and:

Part 1 - Output how many occurrences of each number exist.

Part 2 - Output a horizontal histogram that visually shows the number of occurrences of each number.

**Files Needed:** Histogram.java  
HistogramClient.java



**Your Task:** Once again, you've got the client pre-coded. Your task is to code *Histogram.java* based on the spec and documentation.

### Test Data:

1 5 3 4 5 5 5 4 3 2 5 5 5 3

2 3 4 5 6 7 8 9 0 2 3 5 6 8 8 8 9 4 5

2 3 4 5 6 7 8 2 0 2 3 5 6 8 8 8 9 4 5

### Expected Output for the first set of data:

```
C:\Windows\system32\cmd.exe
0 - 0
1 - 1
2 - 1
3 - 3
4 - 2
5 - 7
6 - 0
7 - 0
8 - 0
9 - 0
0:
1:*
2:*
3:***
4:**
5:*****
6:
7:
8:
9:
```

### Enhancements:

- Make your code work for any range of numbers and use 10 'ranges' instead of a 1:1 ratio.
- Make it GUI!