Modify the code from Project 2 Part A_1 to output a histogram of the number of the occurrences of the letters C, H, A, R, G, E, O and N within the given paragraph along with the counts. After successful execution , the final output dispayed in MARS input/output window should be as given below:

Sample Input for Part A_2 is (same as Part A_1 previous week):

> **The Knights field 16 varsity teams (6 men's, 9 women's and one co-ed sport) that have won numerous national and conference titles. The UCF Knights Football team won conference championships in 2007 and 2010, and the Knights women's basketball team won conference titles the 2009 and 2010.**

Sample output for Part A_2 is:

```
C: 9
H: 11
A: 17
R: 6
G: 3
E: 27
O: 16
N: 26
```

```
C:#########
H:###########
A:#################
R:######
G:###
E:###########################
O:################
N:##########################
```

The submitted program shall provide outputs in **exactly the sequence and format shown above**. To receive full credit, no additional superfluous outputs shall occur.