

Lab 9

In the program, your program first prompt the user to enter a line of text. It counts the number of times individual characters appearing in the line of text entered, and displays the frequency counts.

You need to use a one dimensional array of size 26. Each array element will serve as the counter for the corresponding letter. For example array[0] counts the number of times letter 'a' appeared in the text, array[1] counts the number of times letter 'b' appeared in the text, etc..

Remember to initialize the array elements to 0 since these array elements are used as counters.

Convert all the upper case letters to lower case letters for counting purpose.

Sample run 1

```
Enter text: The two kids played and played, and finally got tired, and fall asleep
a : 8
b : 0
c : 0
d : 7
e : 6
f : 2
g : 1
h : 1
i : 3
j : 0
k : 1
l : 7
m : 0
n : 4
o : 2
p : 3
q : 0
r : 1
s : 2
t : 4
u : 0
v : 0
w : 1
x : 0
y : 3
z : 0
```

Sample run 2

Enter text: Tom and Jerry are lovely characters

a : 4

b : 0

c : 2

d : 1

e : 4

f : 0

g : 0

h : 1

i : 0

j : 1

k : 0

l : 2

m : 1

n : 1

o : 2

p : 0

q : 0

r : 5

s : 1

t : 2

u : 0

v : 1

w : 0

x : 0

y : 2

z : 0