

## Lab9 – Pointers&Arrays

On Nov. 15tn

1. Write a program that receives ten alphabet letters and prints out the most frequent alphabet letter and its occurrence. If tied, print out the letters in an alphabetical order:

Enter 10 letters:               seoulkorea  
Most frequent letter:       e o

Use pointers to subscript the array.

2. Write a program that reads a message, then prints the reversal of the message. (The maximum length of message is 100):

Enter a message:               Don't get mad, get even.  
Reversal is:                   .neve teg ,dam teg t'noD

Use pointers to subscript the array.

3. Write a program that receives 10 integers, sorts the integers in an ascending order, and displays the rank of the integers:

Enter 10 integers:           10 9 8 7 6 5 4 3 2 1  
Rank:                        r10 r9 r8 r7 r6 r5 r4 r3 r2 r1

Enter 10 integers:           5 12 6 23 1 10 17 8 4 7  
Rank:                        r3 r8 r4 r10 r1 r7 r9 r6 r2 r5

Use pointers to subscript the array.