

## Introduction to Computer Science and C Programming-Quiz 2

### Programming Part Grading Criteria

1.

Points	10	3	4	4	4
Function	Linked list definition	Add to empty	Add to first	Add to last	Add to middle
Input	-	<u>dog</u>	dog, <u>cow</u>	dog, <u>pig</u>	dog, pig, <u>mouse</u>

Details:

- (1) 10 points for a linked list node definition: must contain a data member and a pointer to list node structure.
- (2) 15 points for linked list insertion. **If you use a 2-D array, you can't get these 15 points even the results are correct.**
  - I. Insertion to an empty list: 3 points
  - II. Insertion to the first / last / middle of the list: 4 points
- (3) If you don't follow the output format of TA, you will get 1 point penalty; 1 point penalty for \*.cpp filename extension and weird filename; 5 points penalty for no infinite inputs.

2. Please refer to q2TestData for the test data and output.

points	3	4	4	4	5	5
Input	Test1	Test2	Test3	Test4	Test5	Test6

Other deduction:

- (1) 1 points penalty for \*.cpp filename extension.
- (2) 2 points penalty for memory leak (not free str->data or str in deleteStr function).
- (3) If you failed all test data but you fixed the errors in TA's template, you got 1 point.

3.

points	5	5	7	2	2	1	1	2
To test	<i>assign</i> [basic1]	<i>assign</i> [basic2]	<i>assign</i> (repeated name) [adv]	<i>show</i> (format)	<i>sort</i>	<i>clear</i>	Total Prize <0	Correct range of winning numbers

Details:

- (1) If you cannot *show* the profile table, you will not get the grade of *assign* function.
- (2) If the any of the attribute of the data in the table is wrong, then you will not get the grade of *assign* function in that [input data]. (Especially ticket and prize)
- (3) If your *show* function is not too messy to see and the data in the table is not wrong

too much, you will get the grade.

- (4) The correct range of the winning numbers as we mentioned is at least 3 and at most 9.

Other deduction:

- (1) 1 points penalty for \*.cpp filename extension.  
(2) 5 points penalty for using other library.

4. Please refer to q4TestData for the test data and output.

points	3	4	4	4	4	5
input	Test1	Test2	Test3	Test4	Test5	Test6

Other deduction:

- (1) 1 points penalty for \*.cpp filename extension.