L A B 5 G R A D I N G S H E E T

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Student Name:

1003

CS2020-Section:

We will grade the following items for this lab exercise. Make sure you turn in all required parts at the end of the lab time.

\_\_\_/2 Grade uploaded to Canvas by due date/time

\_\_\_/2 Node structure with array of Cards and Node pointer pNext

\_\_\_/4 appendNode() function that adds new node to the end of the linked list

\_\_\_/2 New loop to randomly create 10 card hands

\_\_\_/4 printNodes() function to traverse the linked list and display all Card hands

\_\_\_/6 Answer the questions below

|  |  |
| --- | --- |
| What advantages are there to storing data in a linked list of structures rather than an array of structures? | Only use as much data as you need |
| Would it be easier/harder to display the data in reverse order when stored as a linked list vs. stored in an array? How would this be implemented in each case (linked list vs. array)? | In a linked list you can use a pointer to point to the previous data in a list possibly using a pTail to hold the memory of last element in list. In an array you can go backwards but you need to have the size amount. |

\_\_\_/20 **Total points**