

Data Structures Lab - Fall 2020

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Recursion Practice Questions

Q#1 Print linked list in reverse order.

Example:

Input: 1->2->3->4->5

Output: 5->4->3->2->1

Q#2 Write a function which will calculate the length of the linked list.

Example:

Input: 1->2->3->4->5

Output: 5

Q#3 write a function to reverse whole sentence word by word (EASIEST CODE)

Input: "it is rainy day"

Output: "day rainy is it"

Q#4 Check if a string is palindrome or not.

Example:

Input: "abracadabraarbadacarba"

Output: True

Q#5 Reverse a string.

Example:

Input: "Hello World"

Output: "dlroW olleH"

Q#6 Write a function to reverse the words in a string.

Example:

Input: "It is raining today"

Output: "today raining is It"

NOTE: All questions must be done using recursion.