Assignment Lec (21)

(1) Write a C function to create a single linked list, scan number of nodes and values of them inside the function.

(2) Write a C function to insert a node after a node with particular value in a single linked list.

(3) Write a C function to insert a node before a node with particular value in a single linked list.

(4) Write a C function to insert a node at a certain position in a single linked list.

(5) Write a C function to delete a node with particular info in a single linked list, run the program and test this function when the required node is: the only node, the first node, the last node, in between the nodes, not found in the list.

(6) Write a C function to reverse the nodes in a single linked list.

(7) Write a C Function that returns the data of the middle node in a linked list and in case the linked list contains only one node return the data inside this node.

(8) Write a C function that returns the sum of all the nodes in linked list.

(9) Write a C function that returns the maximum data value in the linked list.