Linked-List Assignment:

(1) Write a C function that insert linked list node at any position. The function takes the data of the node and the node position as inputs.
For example if we have a linked list contains the following data nodes: 11 3 10 50 23 5 60

If you asked the function to insert a new node has data equals to 15 at position 3 the linked list should be: 11 3 10 15 50 23 5 60

(2) 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.

(3) Write a C function that returns the data inside the 5th element from the end of linked list and in case the linked list contains only one node return the data inside this node.

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

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

Thanks and Good Luck

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