

FACULTY OF EGINEERING & TECHNOLOGY DATA STRUCTURE USING C

LECTURE -3

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OUTLINE

- Doubly Linked List
- •MCQ
- References

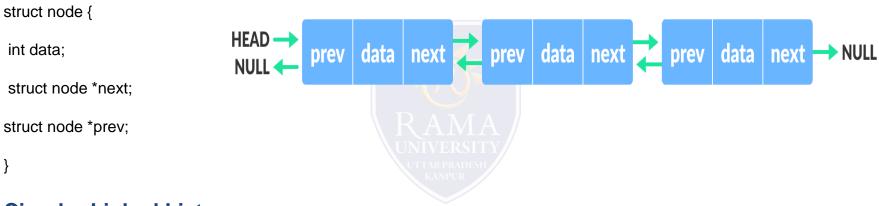


DOUBLY LINKED LIST

Doubly Linked List

We add a pointer to the previous node in a doubly-linked list. Thus, we can go in either direction: forward or backward.

A node is represented as

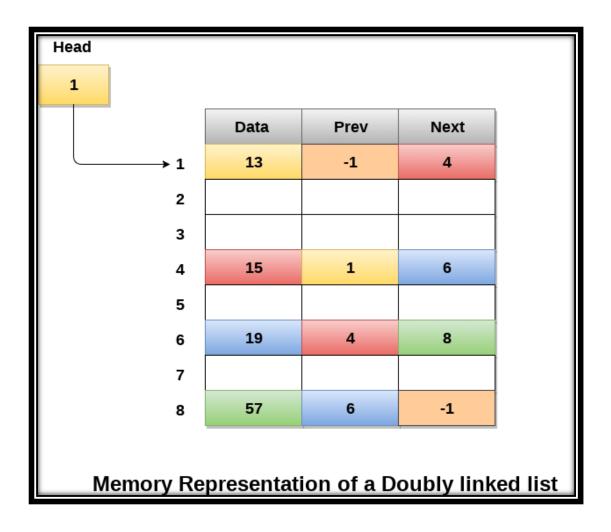


Circular Linked List



DOUBLY LINKED LIST

Memory Representation of a doubly linked list



QUESTION	OPTION A	OPTION B	OPTION C	OPTION D
data structure is arepresentation of	logical	physical	numerical	statistical
int *p declaration of	real no.	pointer	array	structure
int Arr[] bracket is used for	UNIVERS size NPUR	Subscript	memory	index
big O notation is used for	upper bound	lower bound	least	none of these
array index start for	0	1	-1	2

REFERENCES

- □https://www.programiz.com/dsa/linked-list
- □https://miro.medium.com/max/3572/1*Lnb0IARMGORn_c-gYf-24g.png
- □https://www.javatpoint.com/singly-linked-list
- □https://www.tutorialspoint.com/data_structures_algorithms/linked_list_algorithms.htm

