4.1	ELG1
	Introduction to Linked Lists
	Linked lists are similar to arrays (Linear data Structures)
	7 10 11 12 18 22 => In Arrays clements are Stored in
	7 10 11 12 18 22 \Rightarrow In Arrays clements are Stored in Configuous memory locations
	7 -> 10 -> 11 -> NULL -> In linked lists, Clements
	data Pointer to next element are Stored in non Contiguous
	memory locations
	sequence of nodes, where each node contains data and a reference (or link) to the next node in the sequence
	Why Linked Lists?
	Memory and the labacity of an array remains fixed
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	removing elements without any capacity constraints
	Drawbacks of Linked lists
→	Extra memory Space for pointers is required (for every node 1 pointers is needed) Random access not allowed as elements are not Stored in
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4	Contiguous memory locations.
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	Implementation
	Linked list can be implemented using a Structure in C language
	Struct Node {
	int data;
	Street Node * next; => Self refrencing Structure
	?:
	,,
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