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	Introduction to Stack Data Structure
1000	
1	Stack is a linear data structure Operations on Stack
350	are performed in LIFO (last in first out) order.
1. 1	Insertion/deletion can happen on this end
	.,
	=> Item 2 which entered the basket last
	will be the first one to come out
	LIFO (Lost in first out)
3276	And the second
10.5	Applications of Stock
7	used in function calls
2.7	Infix to postfix conversion (and other similar conversions)
37	Parenthesis matching & more
	Stack ADT
	To order to create a check we need a links to the Lamet
163.72	In order to create a stack we need a pointer to the topmost element along with other elements which are stored inside
	the Stock.
	Some of the operations of stack ADT are:
17	bush () → bush an element into the Stack
	∠ = push()
27	pop() → remove the topmost element from the Stack
23	the Stock bope"
37	peck (index) → Value at a given position is returned
	: CIt. (: FOUL) = Delevise 12h. H. of h
47	is empty or full.
	is empty or full.
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d	Implementation of element  A Stack is a collection of element following LIFO (Last in First out) die A Stack can be implemented usin a linked list	s with certain operations
	a linked list me mildel	Assert To The Control of the Control
	so show to which entered the boxest hast	2.5
		(late days and City)
		a for majoraldolin
	yelding (and other similar marchables).  y & more . in	Total to postfix low
- Japandel	eate a cluck we need a fairlen to the	
	settly homes of that ADT are:	
Muy Co;	ish the claiment into the stack	od + () deed
	aged a second part of standard and and	
- 1	Colores since of many of the and	bil = ( selection) = Ind
(-9)	+ To be mine who the hole had	Olk Tripodondei 11
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	Linear Vs Binary Search
144	and the stand of the stand of the continuent
	Linear Gearch or hid was a so of home as
	Consider Coll an allament by 1/15i tima all the
mil line	elements sequentially until the element 15 found.
010	7 10 2 9 11 21 3 => (an be sorted or unsorted
en socked	THE P. P. LEWIS CO., LAND MAN AND P. LEWIS CO.,
	Searchizi Element found WC Complexity: O(n)
	Binary Search
( 280 )	Searches for an element by breaking the search space into half in a Sorted array.
	into half in a sorted array.
I MARKON.	ord no read 12012/13/ 4 5/11/62 2110/20/ 003 11/4 9/
	8 9 11 18 22 31 88
4	Grand 18 Low mid High We Camplexity O(logn)
	Search 18 holy of
	The care by carling a land of the all al mid
	The search continues towards either side of mid based on whether the element to be searched is lesser or greater than mid.
	is less to a greater the current to be slavered
	15 ROSEL OF YOURT THAT MICE!
	Linear Search Binary Search
	That studies that
17	Works and hath forted works and in
	works on both sorted works only on and unsorted arrays Sorted arrays
	The state of the s
27	Equality operations inequality operations
37	O(n) WC Complexity O(logn) WC Complexity