	Operations on an Array
1	trade of the techniques and and trade of the techniques
	Following operations are supported by an array.
_	
311	Traversal There can be many other
_	Insertion \Rightarrow operations one can perform Deletion on arrays as well:
_	Deletion on arrays as well:
-	Search eg: Sorting asc., Sorting desc.
1.	a man of halful.
	Traversal
	Visiting every element of an array once -> Traversal
- 1	TOTAL OF TEST BY BY BUILDING & MINE OF MARKET
_	Why traversal ? -> for use cases like:
_	→ Storing all elements → using scant
	→ Printing all elements → using printf
03	HA CHERT AT COUNTY COSTION CAN BE LIGHT
_	An important note about arrays
	An important note about arrays If we create an array of length 100 using a [100] In C language, we need not use all the elements.
	in' C language, we need not use all the elements.
7	It is possible for a program to use just 60
_	elements out of these 100.
A B	But we cannot go beyond
_	100 elements.
-	1 3 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1
_	An array can easily be traversed using a for loop
_	inco Collanguage was the all wind all no in
+	of protection with intex sate to been sate that of
+	0 1 2 000 98 99 trained down
-	7911
4	4 byles

	Insertion was the more more ensured
	An element can be inserted in an array at
	Insertion An element can be inserted in an array at a specified position.
	In order for this operation to be successful; the array should have enough sapacity
1	array should have enough sapacity
	CONTRACTOR OF THE PROPERTY OF
	1 9 11 13 => Elements need to be
	5 Shifted to maintain
	relative order.
Vic	resort - sincrophila no to thomas winder
	When no position is specified its best to insert the element at the end
	the element ato the ended of shareway until
Line	From the standing of the standing to
41.00	Deletion Amused in Mitain 4
	An element at specified position can be deleted creating
	An element at specified position can be deleted creating a void which needs to be fixed by shifting all the elements to the left as follows:
[sell	all the elements to the left as follows:
1 1000	mile with the total to 2 then the openioned I as
UÒ	1 1 9 11 138 Delete 11 at ind 2
	elements out of these to
1	1 9 138 Shift the elements
	Marines (10)
	1 9 13 8 Deletion done
else:	An array can't be femeral warm is in
	We can also bring the last element of the array
	to fill the void if the relative ordering is
	not important
100	

	Scarching
	Searching can be done by traversing the array until the element to be searched is found
	the element to be backched is build
_	The action to be searched is towna
	JL
-	tor borked array tim
-	7 9 11 12 for borked array time taken to search is
4	-> Search "" much less than unsork
_	array!!
	•
	Sortina
	Sarling manns assancing on assau in order last on Les
7	strong ments mestinging with victing in other case or desc.
7	Sorting means arranging an array in order (asc or desc)
+	We will see various sorting techniques later in the course
+	
+	12 7 18 1 8 => 1 7 8 12 18
4	unsorled array Sorled array
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