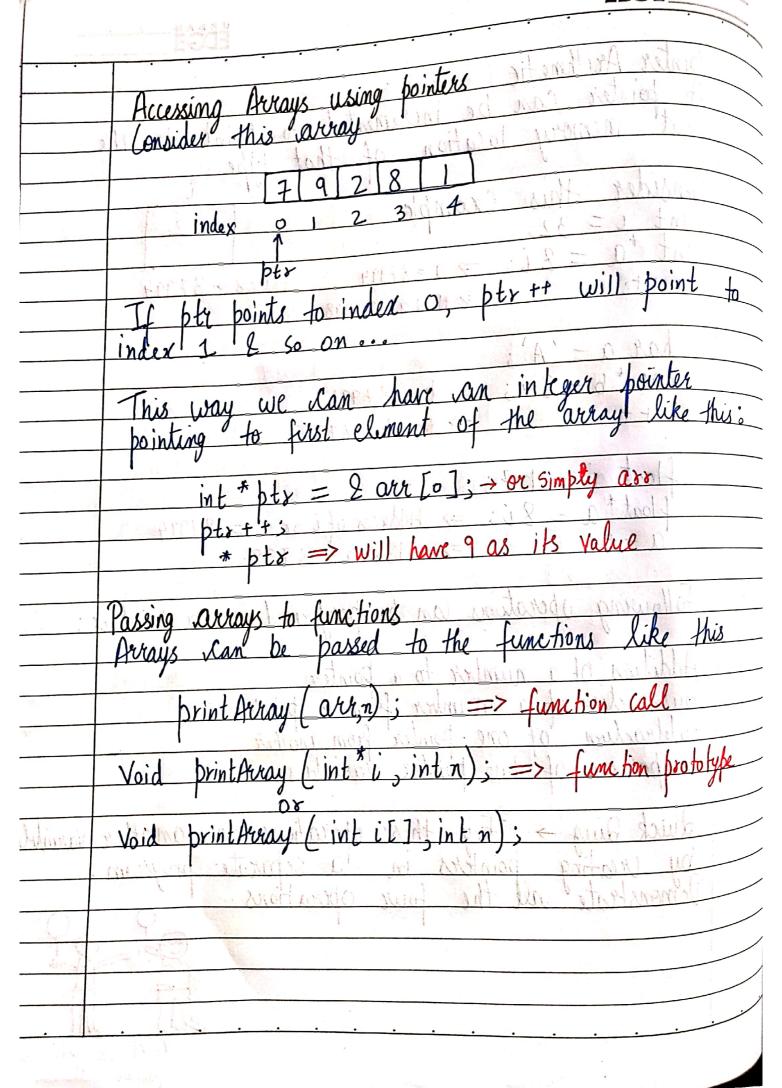
	A S R II	EDGE
	Chapter 7 -	Arrays stronger girosof
	DO CHOCK SOR WELTE	May harked me to estimate !
160	An array is a	collection of Similar elements.
N	in the transfer in	LOURSHOULD LE IMPLEMENT LOURS LOURS
	One variable =>	Capable of storing multiple values
Date	the following the M	Lot of Marks to !
	Syntax	
	The syntax of decla	ving on Array looks like this:
UND	No. of the same of	
4	int marks [90]:	=> Integer array
	char name [20];	-> Character array or String
	float percentile [90];	⇒ Integer array  ⇒ Character array or String  ⇒ float array
	·	HURTH MI 40 HOPENALUTINI
thing.	The Valus can now	be assigned to marks array
	like this:	TO CHAIN DO MODE
	marks [0] = 33;	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3		$\frac{1}{10000} \frac{1}{10000} = \frac{1}{100000} = \frac{1}{1000000} = \frac{1}{10000000000000000000000000000000000$
1/10/18	marks [1] = 12;	CH See 4 = 4 Typeson, Journ
	Note: It is veter	important to note that the array
	index Starts with	O : MARKE MARKED HARRED
A THE	Mark Mark	O. Marion Barrella Company
1	Marks -> 7 6	213 913 = 88 89
	) I	2 3 4 5 88 89
N.	more in asive si	The state of the s
1		Total = 90 elements
	Midnin Rul A	11213
	,0	1679 9650 -0670
•		<u> </u>

Accessing elements  Elements of an orray (an be accessed using scanf ("%d", 2 marks [o]); => Input first  printf ("%d", marks [o]); => output first  of the arr	Valua
Scanf ("%d", 2 marks [0]); => Input first  print f ("%d", marks [0]); => output first  of the arr	Valua
Scanf ("%d", & marks [o]); => Input first  print f ("%d", marks [o]); => output first  of the arr	Volus
Scanf ("% d", 2 marks [0]); => Input first  print f ("% d", marks [0]); => output first  of the arr	Volus
print f ("% d", marks [o]); => output first	Value
printf ("% d", marks [o]); => output first	value
- (15)(4 (と 個 - 13)(3) (2 (4 (1))(4 (2 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4	
	- 1
- (1) (1) (1) (2) (2) (2) (2) (3) (3) (4) (4) (4) (4) (4) (4) (5) (5) (5) (5) (5) (5) (5) (5) (5) (5	Value
- 「	uy
Quick Q: Notice a Areas in the Ost 14	- 1
actice day - write a program to many	nurk
Quick Quiz -> Write a program to accept of five students in an array and them to the screen.	print
Them: to the screen.	1
Late to the state of the state of the	4
Initialization of an Huray	l I
There ware many other ways in which an	array
Initialization of an Array There are many other ways in which an can be initialized.	0
Int capa [3] = 29,8,83 => Arrays can	be
int capa [3] = {9,8,8} => Arrays can float marks[] = {33,403 initialized wh	la Loclara
	M OUM
works Arrayshin memory marray who is it	JA I
Consider this array:	IV I
141 XXX (4.28 - 14.10)	3 .
Int arr [3] = 2 1 2 3 3 => 1 integer =	La hules
Ph by Integral	7 19100
This will reserve 4x3-1211	
	remory
4 by ks for each integer. Dyks in 11	
62302 62306 62310 => ark in 11	omaw
62302 62306 62310 => ark in 11	Wing -

Yayl we under Stood pointer arithmetic



1011	
Multidimensional Acrays	
An array can be of	2 dimension / 3 dimension / n
dimensions	
A 2 dimensional array	2 dimension / 3 dimension / n  Can be defined as:
int arr [3][2] = 2	£ 1, 4 }
	57, 93
	311, 223 3;
We can access the ele	ments of this array as
ar [0][0], ar [0	ments of this array as
Value = 1 Value =	
Value:	
2-D arrays in Memory	
A 2d array like a 1-6	array is stored in
A 2d array like a 1-d contiguous memory bloc	ks like this:
arrioliol arriolil	
11 4 7	1   1   2 2
87224 87228	
Quick Quia . (rente a 2	-1 AKKALI HU Laking in hit
Syon the user. Write	a display Line to
brint the content of t	-d array by taking input  a display function to  his 2-d array on the Screen.
	1

1 10 %	and the second s
	Chapter 7 - Practice Set Conclumnation
1	Create an array of 10 numbers. Verify using points to the pointer arithmetic that (ptx+2) points to the third element where ptx is a pointer pointing to the first element of the array.
	pointer arithmetic that (ptx+2) points to the
	first element of the array
2	If S[3] is a 1-D array of integers then  * (5+3) veters to the third element:
· As	(1) False property and the state of the stat
	(ii) Depends.
3	Write a program to create an array of 10
/	integers and Store multiplication table of 5
<u> </u>	in literate on france blocks the Min-
4	Repeat Problem 3 for a general input provided
<i>u</i>	by the user using scanf?
5	Write a program containing a function which
1	reverses the array passed to it.
put.	Interior of the contract of th
5	Write a program containing function which counts the number of positive integers in an array
1	Create an array of size 3 x 10 Containing
	multiplication tables of the numbers 2, 7
	and q respectively.