	Date 090ct 2023	
	Date Office 2023	
	Tout of south	
	Introduction to Array	=
-	Introduction to reveni	=1
*	ictis take an example, if a person wants	=1
	to store - a their things and a person	
	how available space just like this -	=
	X X X E	=\
	The state of the s	
3)	Now owner gives the person 6 no room	
=1	Agler some days, the person requires	
	two more room then owner give	\Rightarrow
=1	368,	=1
	After some days the person wants to room but in continuous maken	=1
=1	our till owner aires of the	
	the person,	
دا	Sui	
	Sa read Person	=)
21	Same, in this way	
21	Same, in this way, array works. Now, the person easily access their things.	
	things. taking access their	
=	Let's take	=
=======================================	It's take an a different example	
	a hic add three he then	
61	gyou have 10 numbers -	
The same of the sa	If you have 10 numbers — arbicidie, fing in j	
	The last A printing and the last of the la	

If you have low on more than 100 than-it's make a big issue. Son here, haming makes a big problem. Son we are can name them as all al. al. ., 999 Writing this also takes a long time. So, we want this for (i=0; i<1000; i++) cin >> aci);
This is array n. Arnay definition:

It stone same type of data type.

It stone at configurations.

Syntax:

yint across

data type array name sen int a (5) = {6,5,4,3,2}

0 (23 4 -) Indexing 21 all) all all all all all int name [] = {3, 8, 2, 63 name 3826

Page Date int ancio7; San(int i= 0; i 1 10; i++){ cin » anci]; int aCS) = {8,43 01234 int an [5] = {03; 0 | 2 | 3 | 4 It is only valid for 'O'; To print the elements -=) int arr&57 = { 1,2,3,4,83; for (int i= 0; i<5; i++? cout « ann (i); We require address for everything. \$ we know that 1 bit = 1 transistan 8 bit = 1 bylo 2'0 bylo = 1 kB Our memory is byte addresable memory that means we are giving a address to every byte not every bit.

Date ___ Page int arrist; So. if the address of arm is soo that means arm(0) is at soo address— Formula to find any element address address of index = arr + index + size of data type Why we have use 0-based indexing? Because it easier to calculate the address when we have 0-based indexing. char, name [5]; namo (a) 67 (c) (a) (e) chan = 1 Byte 64-bit processor 32-bit processon
4GB RAM =) 8 GB RAM 11 and so on 233 byte RAM 232 byte RAM All DSA part executed in the RAM.

Page __ Date Tf you want to find min element in

the array then —

int arr(5] = £ 4.6.11:2.83;

0:234

461128 fanli=0: icsitt int ans = INI MAX: {) if (annli) con ans = ancil Gust change the about I syntax with below For max element; int ans = INT > MIN; arn (i) 7 ans i 10000