

Todoy's agenda
Today's agenda by Intro to arrays
b Return Sum of CORFT elements.
b Return Sum of arolf elements. b Array with Junctions b Swap 2 indexes.
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Swaf 2 indenes.
//// AlaaDran
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numbers	1.A. Ol o tonus	42.403.	100	4	
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	int alo:)1			
Symps					
->	type[] nam	ne = new	type [size]		
	^	1			
a)	create an ar	roay of Siz	e so which	h will 19	مهو
0	Coeate an ar		<u> </u>		
	·				
	o intl3 as	r: new in	رزور که		
	d inden of) ರೀಕ್			
	0		5 6 7	8 9	
	0 0	0 0 0	0 0 0	00	
	0.1	×(2]	assl.	J	
		163			



llindening	and	Properties
0		

6 scanner sch = new Scanner (system.in); b ind n: Sch. new Int (); -45}

int[] are = new int[n];

-> for (ind i=0; i<=n-1; i++)1

aro[i] = Sch.nendInd();

0 1 2 3 4 10 20 30 40 50

i=0 isl

> if average is of length of.

1st index = 0

last inden = N-1



Q) Create an array of length 5 with values 10 20 30 40 50.

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt(); // n -> 5

    int[] arr = new int[n]; //arr -> {0, 0, 0, 0, 0}

    for(int i=0;i<n;i++){ // arr -> {10, 20, 30, 40, 50}

        arr[i] = scn.nextInt();
}

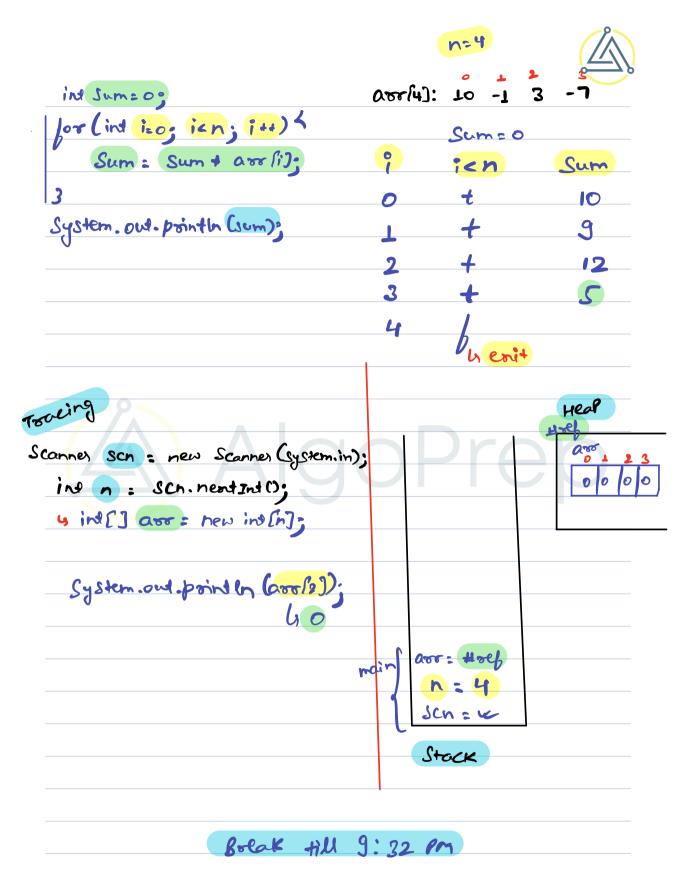
//System.out.println(arr);
for(int i=0;i<n;i++){
        System.out.print(arr[i]+" ");
}

System.out.println(arr.length); // length of array

// Initialization way 2
    int[] num = {5, 15, 25, 35, 45};
System.out.println(num.length);
}</pre>
```



O) Sum of a sum of	by Read an array of N length and Point the all elements. En: arrive: 10 -1 3 -7 -> 5
T.c: o(n) S.c: O(1) length of, array (you ignore infut & output array)	Scanner Scn: new Scanner (system.in); ind n: Scn. newtont (); ind[] are: new ind[n]; low (ind i=0; ien; itt) Sum: Sum are [i]; System. out. println (sum);

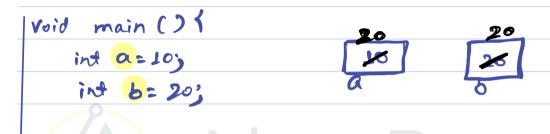




Q) Swap the values of 2 variables.

a=10 b=20 ~> a=20 b=10

//incorrect way



0:b; 4 b:a;

11 coored way

71 48865. 1139	20 10	
void main () {	26	
int a=10;	· a b	
int b= 20;		
int temp = a;	10	
a:b;	temp	
4 b = temp;		
3		



11 Junction game

6 variables of 2 functions are not connected.



Quiz

	. 0				HRAP	
int [] arr: (10,	, 203		1		4291	_
Swap (pos);					0	3
*14071					20	10
System.out. pointin	(ass (0)); -> 20					_
6 System.out. paint						_
3		and the	mp: 19			_
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	C 2:					_
int temp= a						-
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aveli):	temp;	9				_
		l	200 toll			_
			Stack			
						-
U arrays	a cross Junction	are	always	Conr	rected.	
V						
V						



Q) Swaf indexes
b Given array of length N and two indexes idns
and idn2, swal the element of those two indexes.
The position of the state of
En: 000[5]: (5 1/2 25 25 453
En. (1865), (3 18 13 18 41)
idn1:1 idn2:3
int temp = a or [idn];
anolidne) = anolidne);
avo (idn2) = tempo
EN ATOTO