

Todoy's agenda
Todoy's agenda  Ly Intro to arrays  Ly Return Sum of arrays  Ly Array with Junctions  Ly Swaf 2 indexes.
b Return Sum of aros [] elements.
4 Array with functions
4 Swap 2 indenes.
<del>MAIGOPIED</del>



### 11 Into to askay

```
int al: schinent Int();

Array

int a2: 11

collection of valiables.
```







```
1 // "static void main" must be defined in a public class.
2 v public class Main {
        public static void main(String[] args) {
3 ₹
            Scanner scn = new Scanner(System.in);
4
5
            int n = scn.nextInt();
6
7
            int[] arr = new int[n];
8
9 ▼
            for(int i = 0; i < n;i++){
10
                arr[i] = scn.nextInt();
11
                                                                            stdin 🗹
12
                                                                            5
13
       }
                                                                            10 20 30 40 50
14 }
 Share Live
```

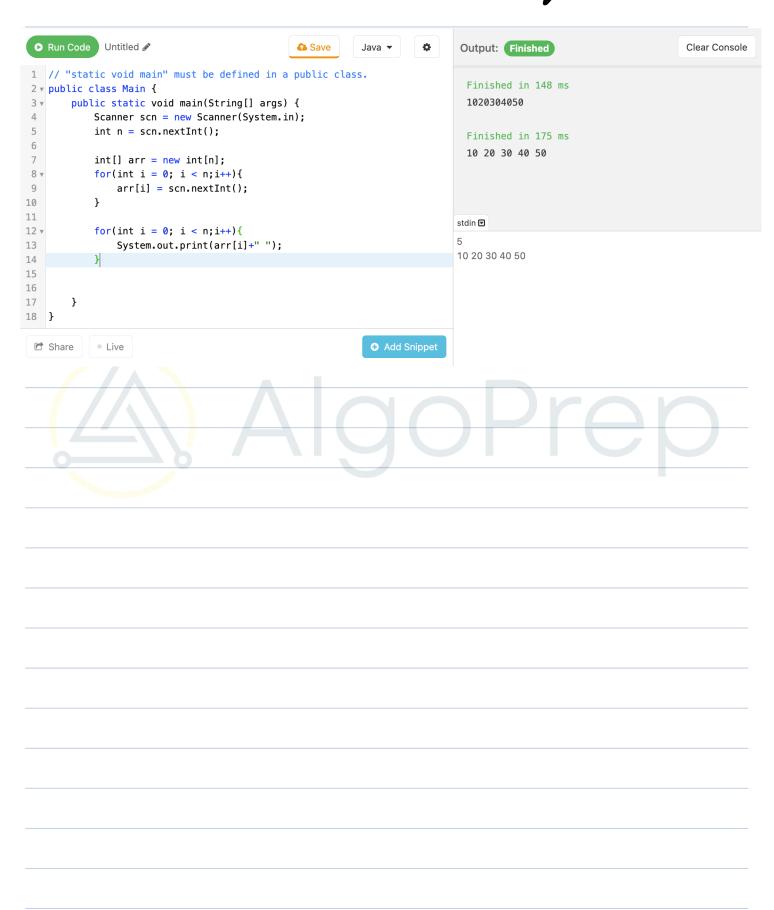
```
initialize array on your own.

int() are = (1,2,3,4,5);
```

```
-) avo. length: no. of elements in avoray.
```



## Q) How to Print all the elements of arr.





```
O) Sum of arroay of N length and Print the sum of all elements.

En: αστ(4): 10 -1 3 -7 → 5
```

#### 110 suedo code

```
// "static void main" must be defined in a public class.

public class Main {
    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int n = scn.nextInt();

        int[] arr = new int[n];
        for(int i = 0; i < n;i++){
            arr[i] = scn.nextInt();
        }
        int sum = 0;
        for(int i = 0; i < n;i++){
            sum = sum + arr[i];
        }
        System.out.println(sum);
    }
}
```



How arrays are ac	fuelly_	Stored?	
	<b>4</b>		Heap
ind main () {			a) of
ind noto;			10 20 30
	2.7.		
int[] arr: (10,2;3	8)		I
	120		
-> Systemout pointln Co	ve(1));		
3		०. १६: मन्त	
	Hess	D:10	
		Stack	
			ron
			$+ \cup \cup$
Bolak	till k	0:34 Pm	



## Q) Swap the values of 2 variables.

a=10 6:20 ~ a=20 6

### Mincorrect way



# 11 Correct way

main () {

int a: 10;

int b: 20;

int temp= a;

a=b;

b: temp;



# 11 Junction game

Quiz	1
main () {	
ind a = 10;	
int b: 20;	
Swap (2, 25);	
System.out. pointln(a); -> 10	temp=16
System.out.paintln(b); >> 20 Swal	6 = 30 10
13	a= 38 20
Public Static void Swap (int a, int b) {	ran
int temps as	
a = b;	6:20
b = temp;	Q = 10
3	

Liveriodies of 2 junctions are not connected.



Quiz

main () {	Heal
	theely o
int[] arr: (10, 203	10
Swap (axx)	20
System.out. posntin (are (0)); -> 20	
→ System.out. pointln(arti); → 10 temp= 19	
Sud = May	
blic static void Swap ( in [] are )	
int temp= a or [o]?	
000 [1]; min	00
avels]: temp;	1
Stock	
La arrays across Junetions are con	nnected.



#### Q) Swaf indenes

and idn2, swal the element of those two indexes.

En: am [5]: {5 35 25 453

idn1:1 idn2:3

int temp = a oo lidne ].

temp -) 15

aroliani : aroliane);

, avoidine : temp;

Gov. Jsa Jourds

Jourd