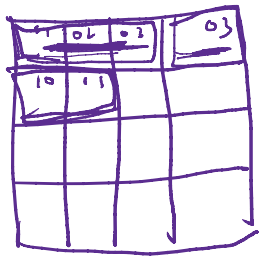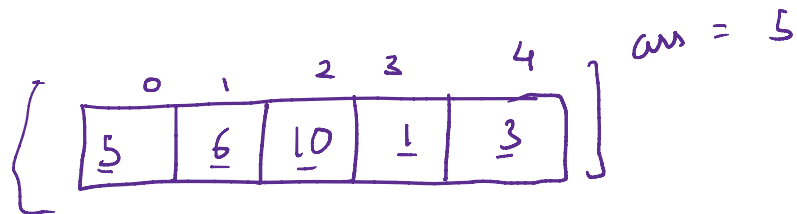Array :

a = 3
b = 2
C = 1

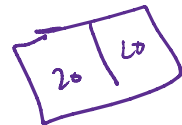- Size is required for initialization
- Data type " "   "   "
- The indexing starts from zero

	0	1	2	3	4
	5	6	10	1	3

arr = 5

Find Max & min in an array

21	10	5	13	40

Second Max & Second min :-

	0	1	2	3	4	5	6	7
	20	30	25	50	100	90	86	60

20	10
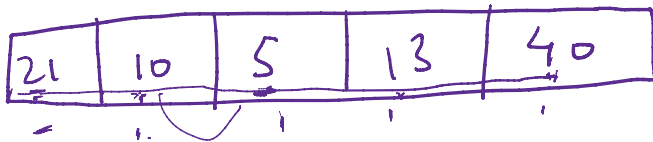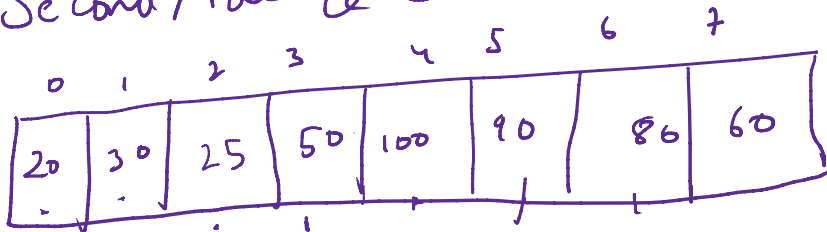
wt max = 20 30 50 100

wt sman = 20 30 25 50 90

i = 1 2 3 4 5 6 7 8

5	8	10	11	19	9	12

Siz = 7

man = 5 8 10 11 19

smar = 5 8 8 10 11 12

i = 1 2 3 4 5 6 7
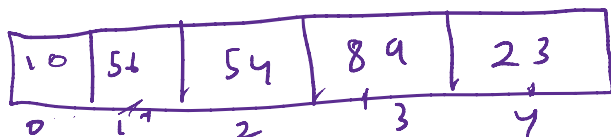
```
public static void printSecondMinAndMax(int[] arr) {
    int max = arr[0];
    int smax = arr[0];
    for (int i = 1; i < arr.length; i++) {
        if (arr[i] > max) {
            smax = max;
            max = arr[i];
        } else if (arr[i] > smax) {
            smax = arr[i];
        }
    }
    System.out.println("Second max is " + smax);
}
```

12

10	56	54	89	23
0	1	2	3	4

```
int min = Integer.MAX_VALUE;
int smin = Integer.MAX_VALUE;
for (int i = 0; i < arr.length; i++) {
    if (arr[i] < min) {
```

min = ∞ ~~10~~

smin = ~~∞~~ ~~∞~~ ~~56~~ ~~2~~ 3

i: ~~0~~ ~~1~~ ~~2~~ ~~3~~ ~~4~~ 5

```java
int min = Integer.MAX_VALUE;
int smin = Integer.MAX_VALUE;
for (int i = 0; i < arr.length; i++) {
    if (arr[i] < min) {
        smin = min;
        min = arr[i];
    } else if (arr[i] < smin) {
        smin = arr[i];
    }
}
System.out.println("Second min is " + smin);
```