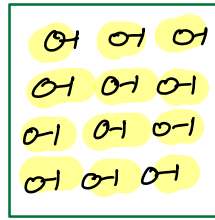


Arrays [Data Structures]

Data \Rightarrow Random, not useful
Info \Rightarrow Organised, useful



Book Shelf



focus lights

Array \Rightarrow Organised collection of similar items

```
int m1, m2, m3, ...., m463;
```

```
m1 = scn.nextInt();
```

```
m2 = scn.nextInt();
```

```
⋮
```

```
m463 = scn.nextInt();
```

```
avg = 
$$\frac{(m1 + m2 + \dots + m463)}{463}$$

```

```
SOP(avg)
```

```
int arr[];
```

```
int arr;
```

runs = new int [463];

runs = 460

int runs[] = new int [463];

int runs = 460

int[] runs = new int [463];

int A[] = new int [5];

indices:

A:

0	1	2	3	4
	460			

A[1] = 460;

SOP(A[1]); → 460

runs = 460

SOP(runs)

int runs[] = new int [463];

```
for( int i=0; i < 463; i++ ) {  
    runs[i] = scan.nextInt();  
}
```

```
int total_runs = 0;  
for( int i=0; i < 463; i++ ) {  
    total_runs += runs[i];  
}
```

int avg = $\frac{\text{total_runs}}{463}$;

SOP(ay);

Code : <https://www.interviewbit.com/snippet/6dde5d566bbb27c897a7/>