Arrays [Data Structure]

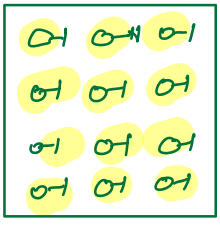
Data ⇒ Unprocessed, not meaningful

Information ⇒ Processed, useful

```
int m1, m2, m3, ...., m463;
m1 = scn.nextInt()
m2 = scn.nextInt()
:
:
m463 = scn.nextInt()
avg = (m1+m2+ ... +m463) / 463
SOP(avg)
```

Array ⇒ Ordered collection of similar items

Bookshelf



Flood lights

Syntax

Declaration

```
int runs[];
int[] runs;
```

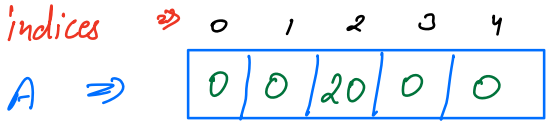
Initialisation

```
runs = new int[463];

int[] runs = new int[463];
int runs[] = new int[463];
```

Indices

```
int A[] = new int[5]
```




```
A[2] = 20          SOP(A[2])
```

Example

```
int matches[] = new int[463];

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

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

int avg = sum /463;
SOP(avg);
```