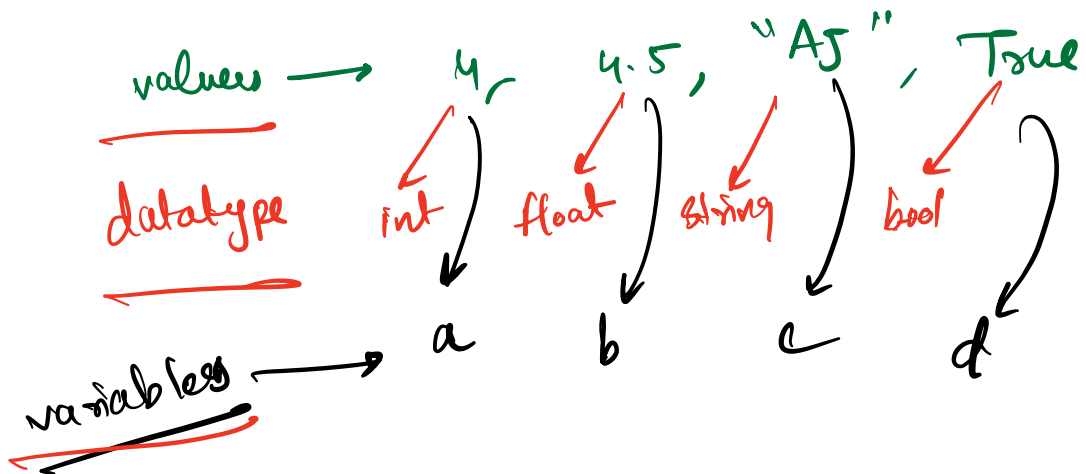


"Hello Everyone!"

Lists - 1D



(a) ① write a program that stores all runs scored by vk in all international matches.

② find out the

- a) min
- b) max
- c) avg

played 500

runs1 \longrightarrow 50

runs2 \longrightarrow 48

runs3 \longrightarrow 102

\vdots

runs500

500 variables would be tough
to maintain.

* Collection of data → same
↳ Data structures

① Lists

↳ ordered collection of
data

$a = 2$

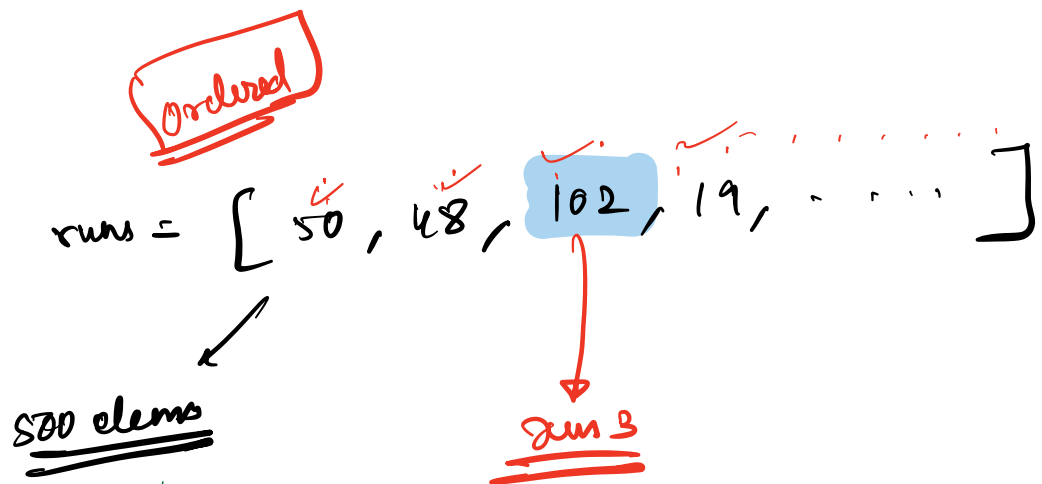
* array → stores elem of
same datatype

a = [4, 10, 15, ...]

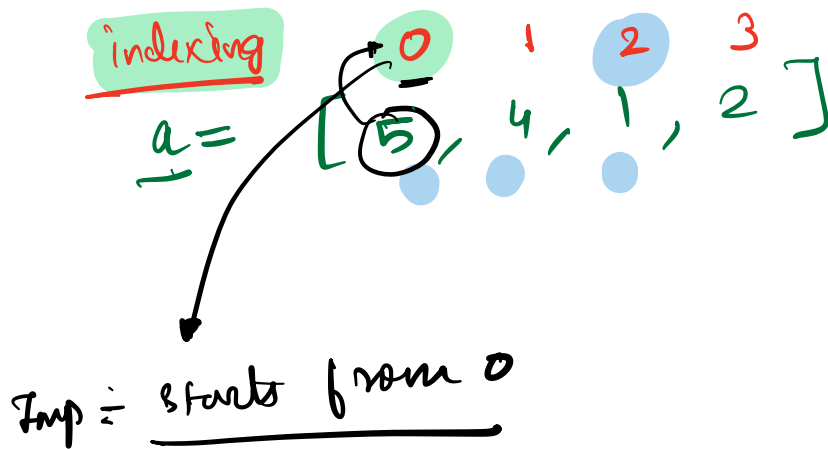
*Imp? [lists] → can store diff datatypes
as well

b = [4, 4.5, "AJ", True]

4 elements.



indexing → to access elements of a list.



$a[0] \rightarrow \underline{\underline{1^{st} \text{ elem}}}$

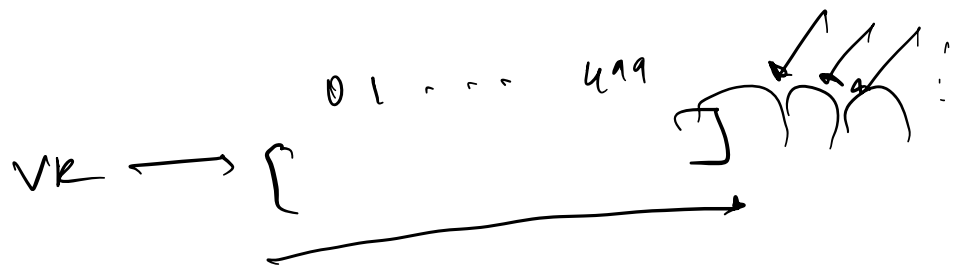
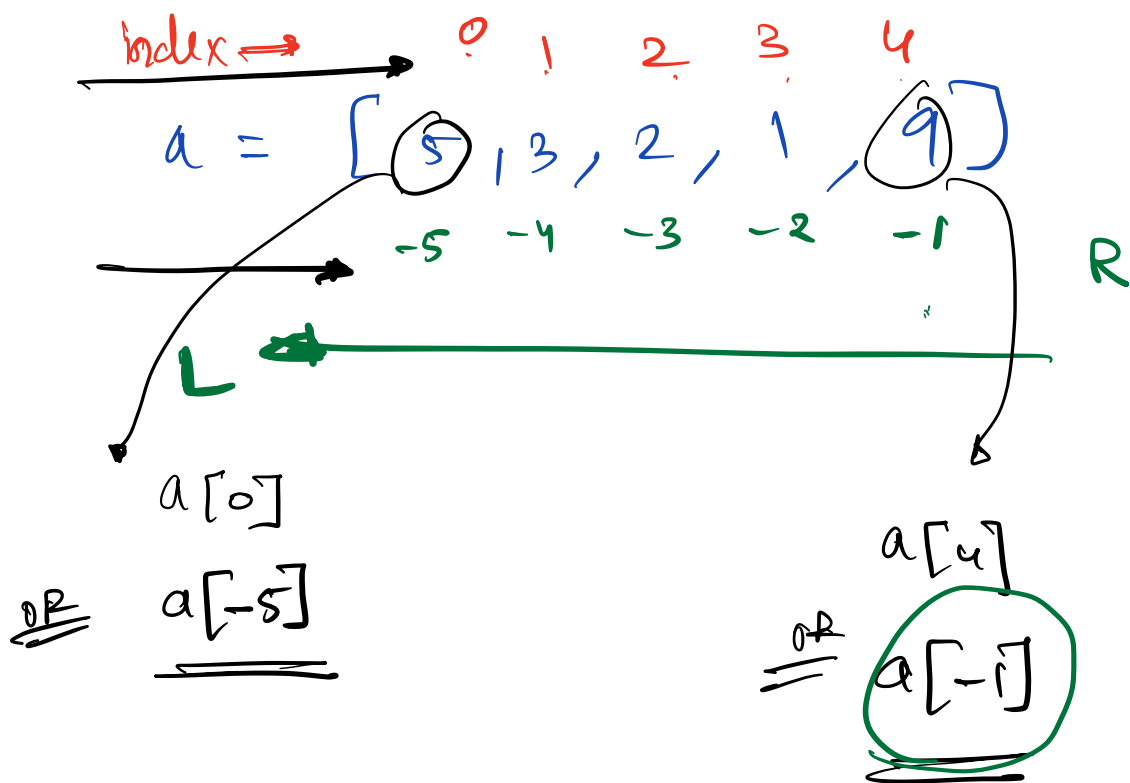
307^{th} elem $\rightarrow a[806]$

$n \rightarrow \text{elems}$

$1^{st} \xrightarrow{\text{index}} 0$

$n^{th} \rightarrow \underline{\underline{[n-1]}}$

* negative indexing



* methods to add elements
to a list

- ① append()
- ② insert()
- ③ extend()

10 : 13
sharp

