Working of List in Python

Advantages

Random access

Cache Friendly

Disadvantages

Insertion, Deletion are slow Search is also slow for unsorted

How does Dynamic size work?

- ⇒ Pre-allocate some extra space
- ⇒ If becomes full, do the following



Analysed Time

- ⇒ Initial capacity: n
- ⇒ We double the size when become full
- \Rightarrow Average time to append (n + 1) items = \ominus (1)