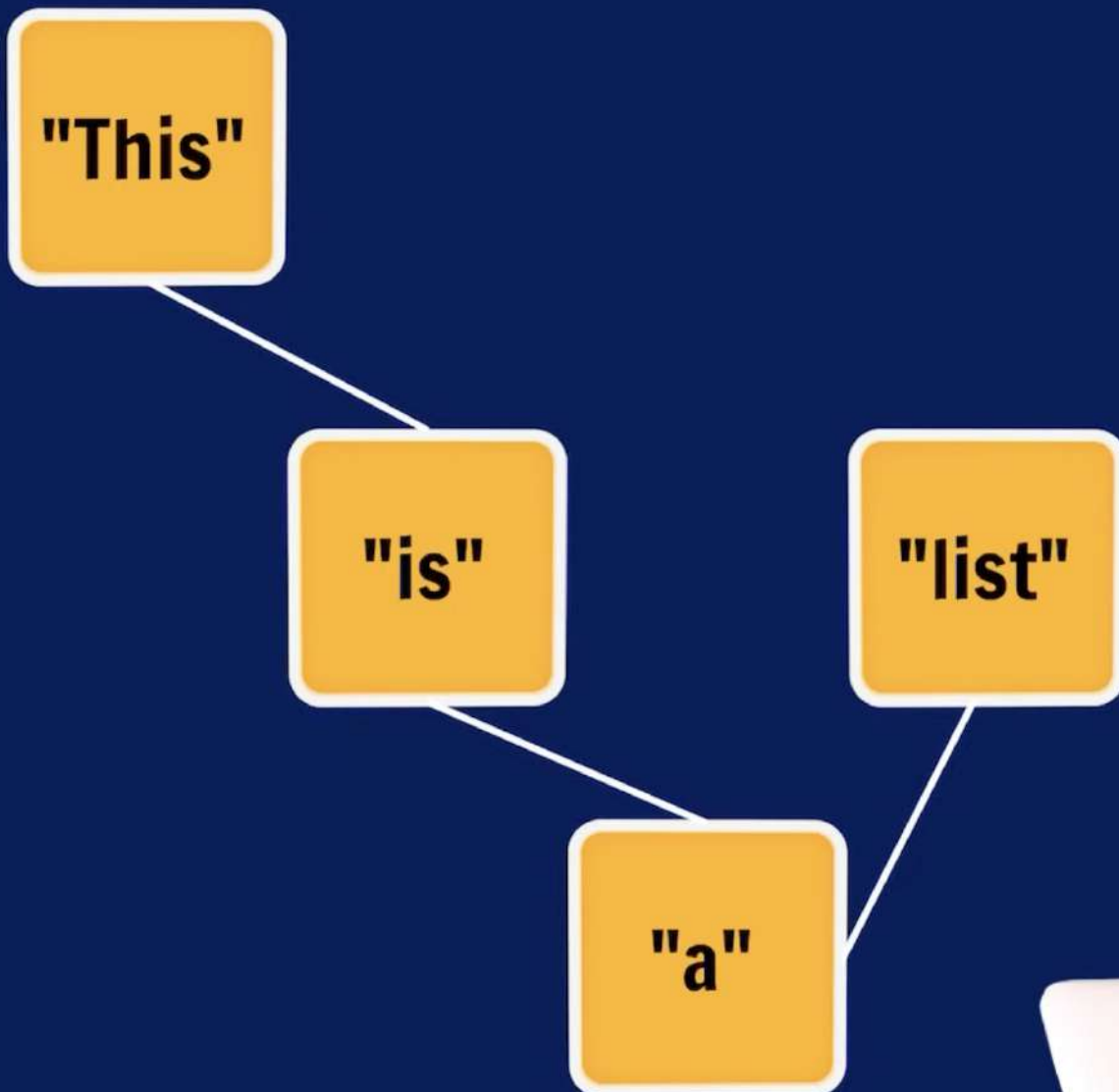


Linked List



ArrayList



LinkedList

Insert :

$O(n)$

$>$

$O(1)$

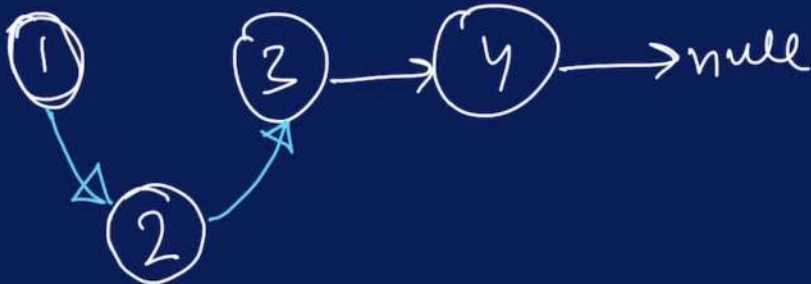
→ use case ✓

Search :

$O(1)$

$<$

$O(n)$



1st =
3rd =

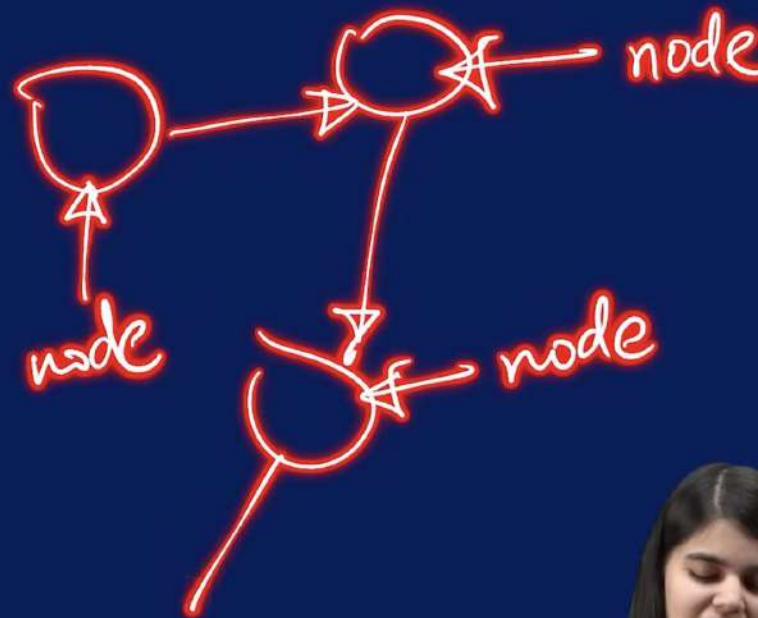
Linked List

- Variable Size
- Non-contiguous Memory
- Insert in $O(1)$
- Search in $O(n)$

JAVA



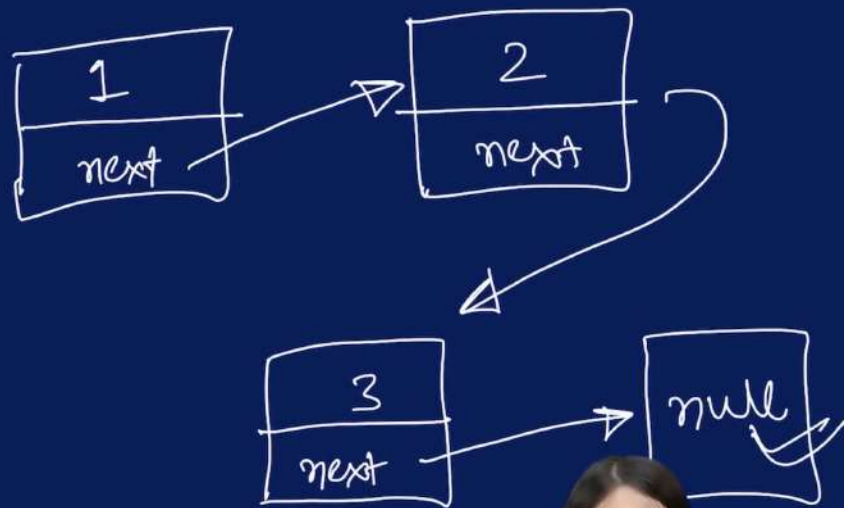
Node



JAVA



Node



JAVA

HEAD

"This"

→ String

"is"

"list"

"a"

tail - last node

- 1) Singular
- 2) Double
- 3) Circular



tail — last node

1) Singula



2) Double



3) Circular

