

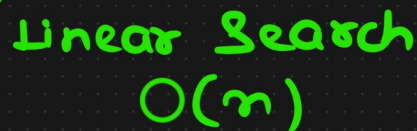
↳ Linear Data Structure

Not in a contiguous manner



→ No concept of
Random access

Data next
↓ ↓



Random access is allowed

$$a_{\gamma\gamma}[8]$$

4 Bytes

↓
1000

$$1000 + (9 - 0) \times 4$$

1036

1036

Record of Students data



insertion & deletion (frequent)

↳ Linked List

↳ $O(\log n)$

searching (Binary search)



↳ Array



**Random
access**

{ Scenario,
we can
choose
what data
structure to
use