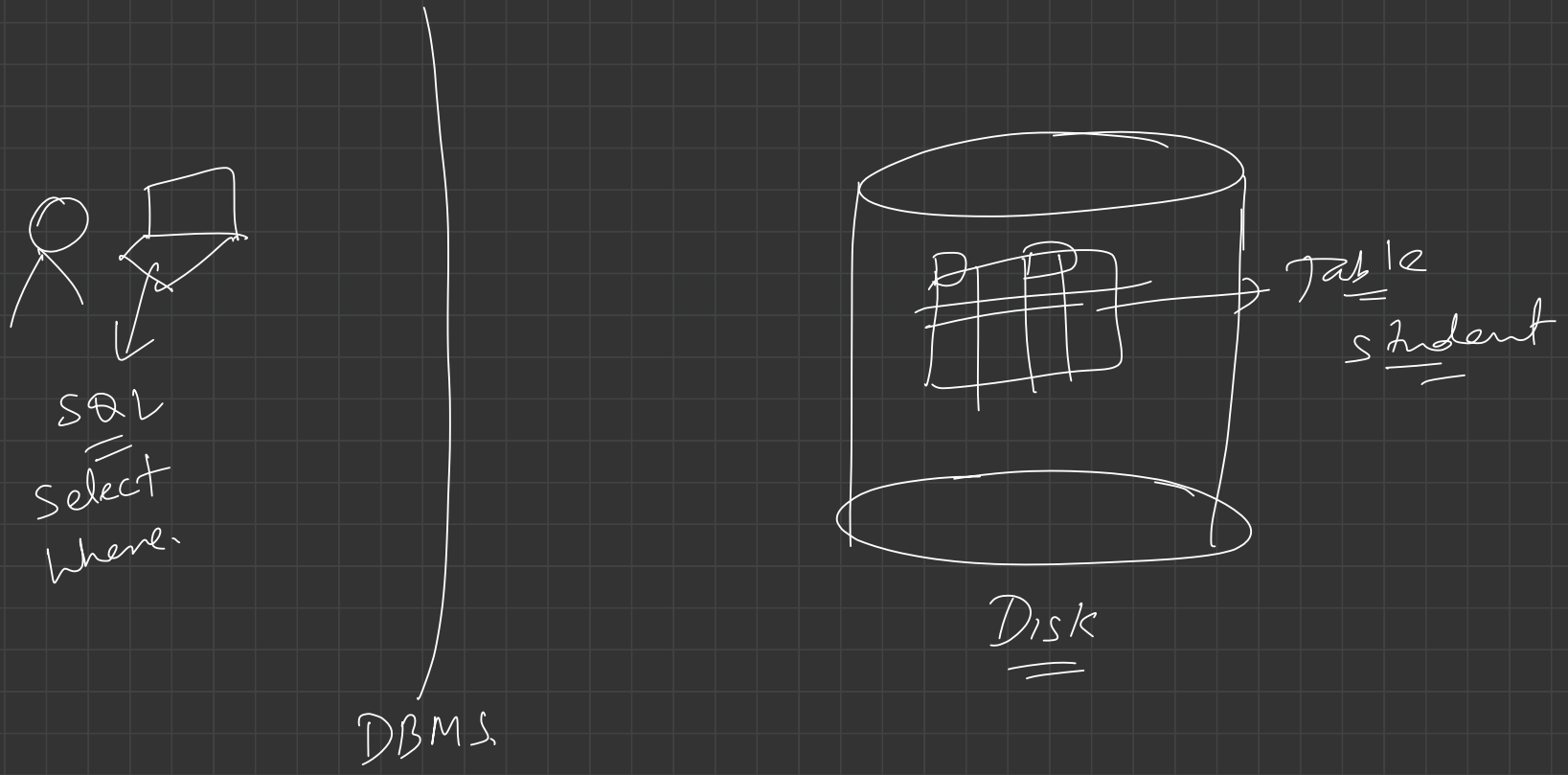
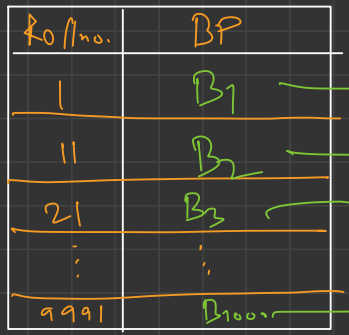
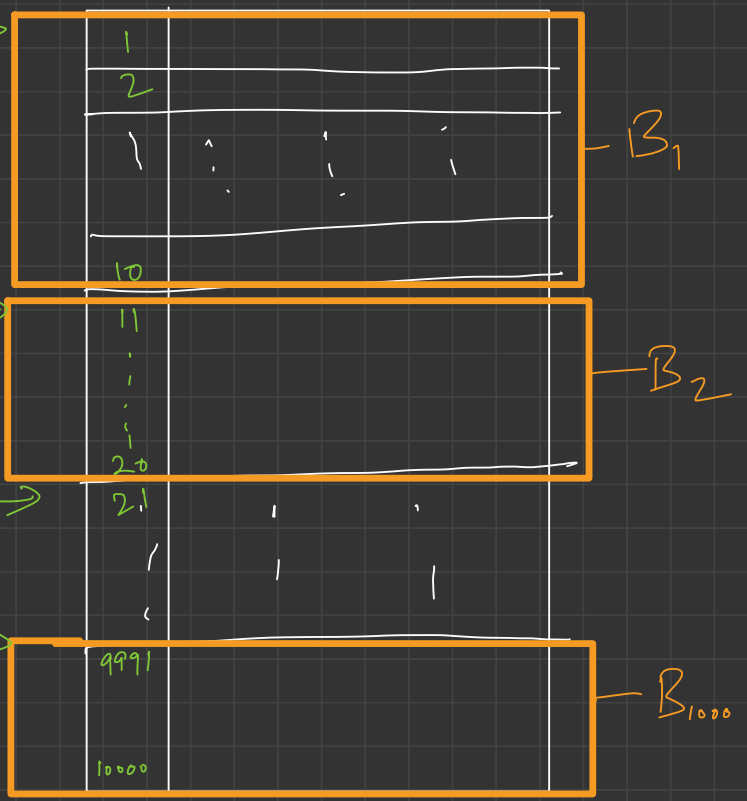
Lec-14



Data structure

INDEX





eg. 843 Student

each Block has 10 records → Total Blocks 1000

Types of Indexing

① Primary index

① Based on key attribute (ordering datafile based on key attribute)

→ P.K / C.K

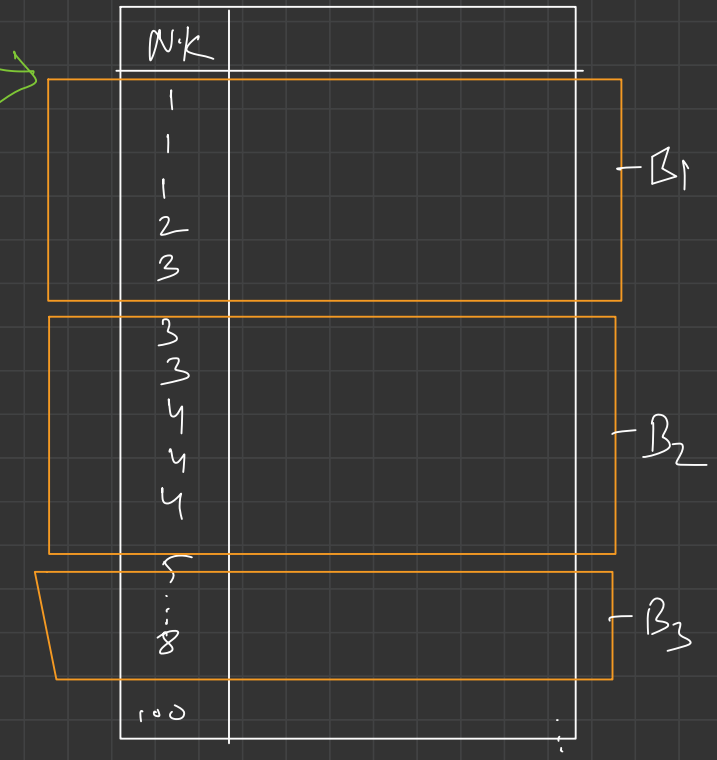
↳ indexing → Sparse indexing

② Based on non-key attribute

↳ Clustering Indexing

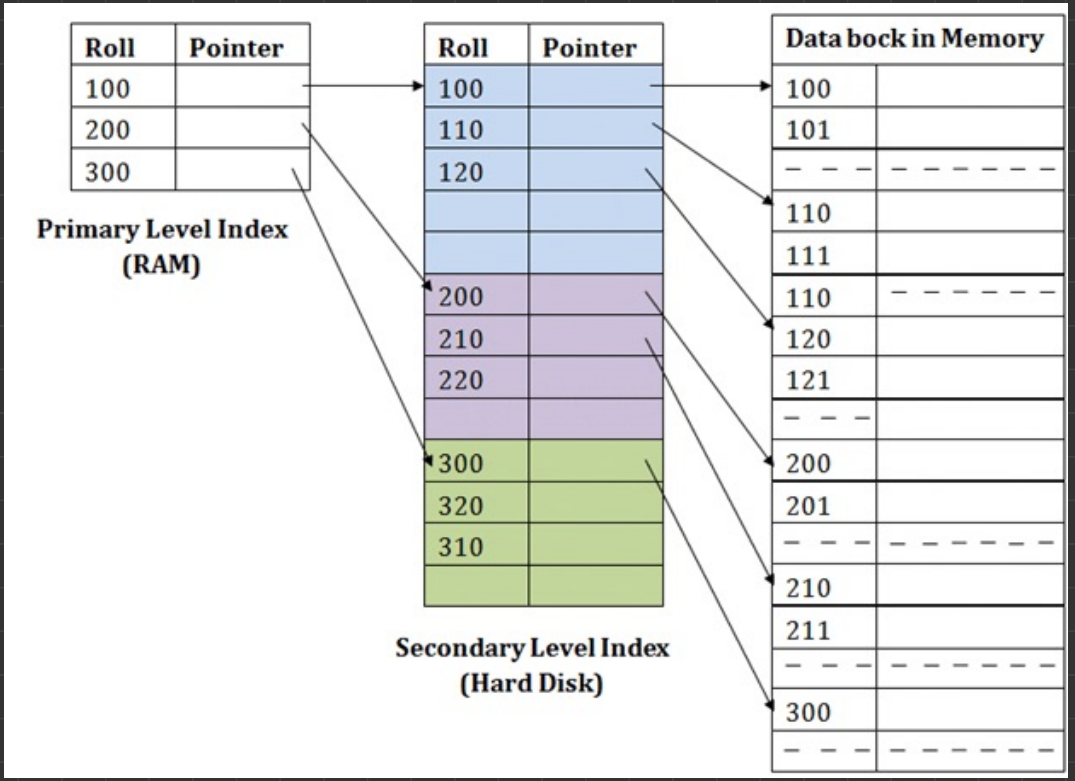
2) INDEX

N.K	BP
1	B_1
2	B_1
3	B_1
4	B_2
5	B_3
⋮	⋮



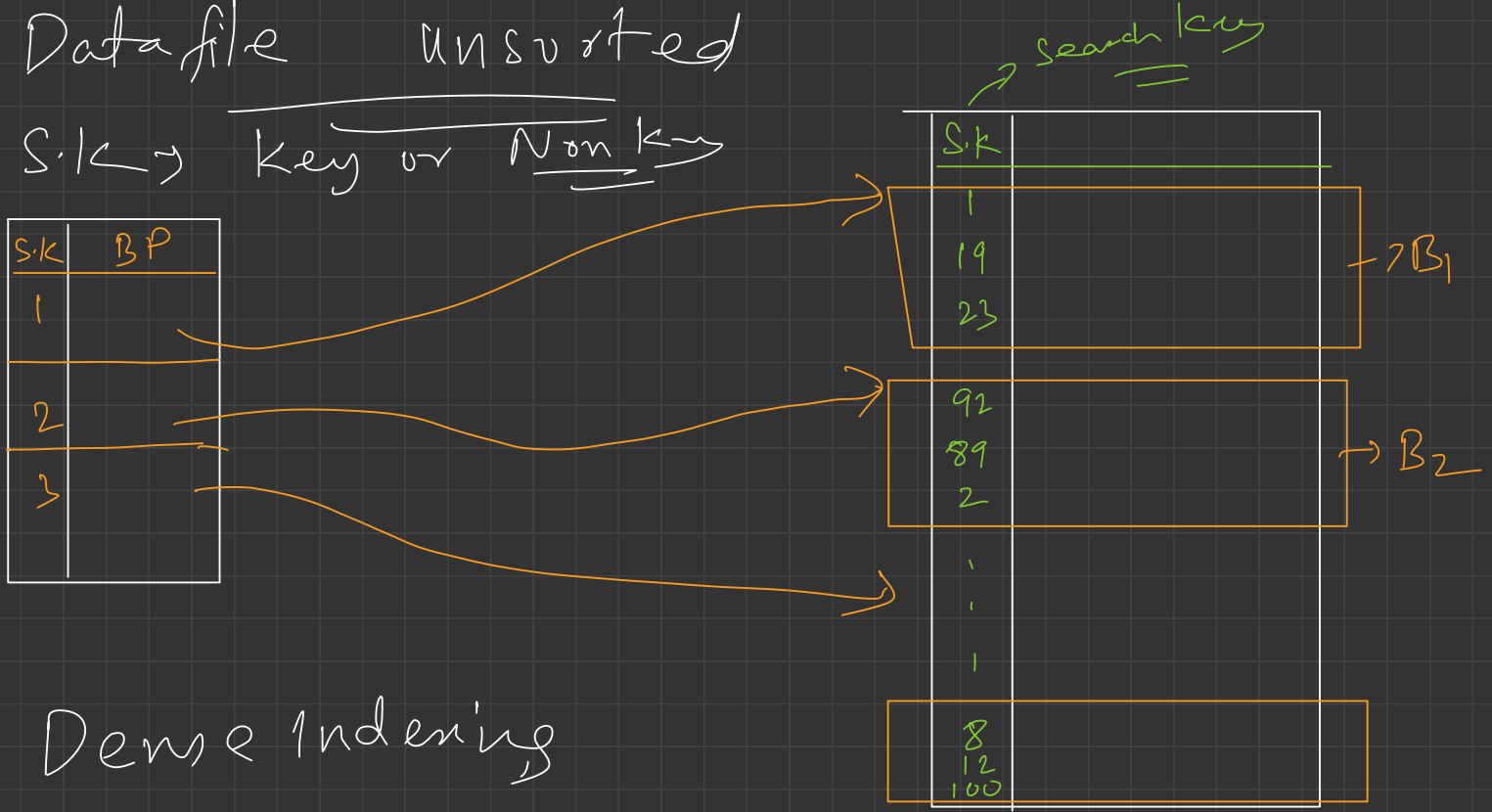
→ Dense Indexing

Multi Level INDEXING

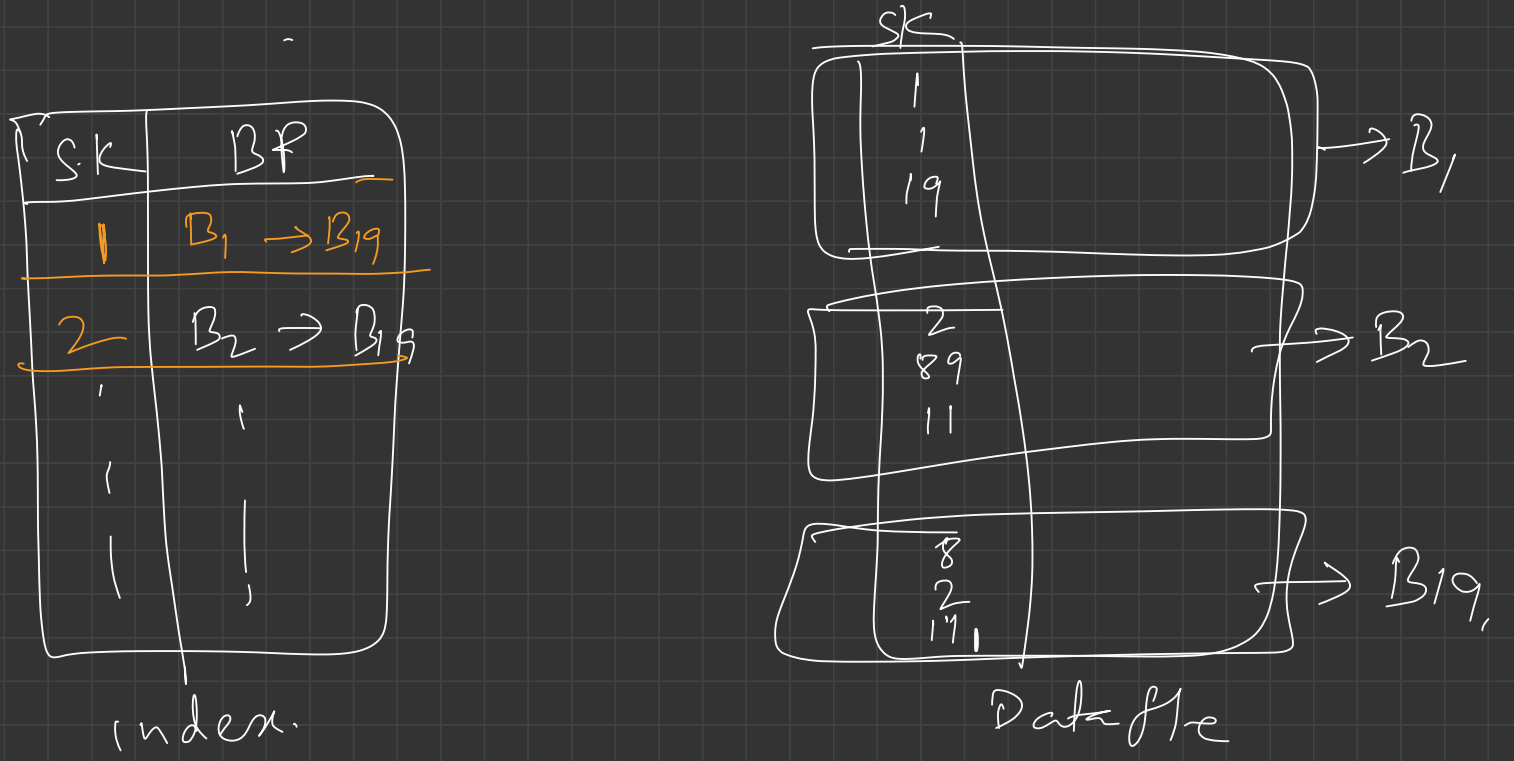


Secondary Indexing

- Datafile unsorted
- S.Key key or Non key



- Dense Indexing


SK
BP
1
B1 → B19
2
B2 → B5
index.
SK
1
1
19
B1
2
89
11
B2
8
2
14
B19
Data file