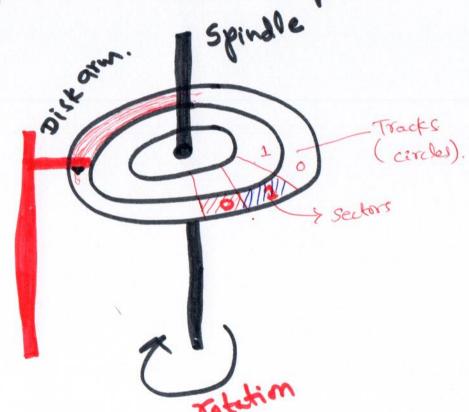
## Data Storage & Indexing

- (1). Disk structure
- (2). Indexing
- (3). Bttree
- (4). Hashing

## Disk Structure:

Each disk platter has a flat, circular shape.



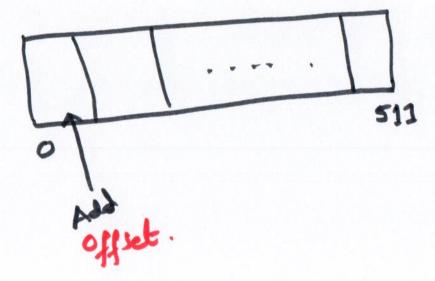
Sector - 512 dyles tracles - 50,000 - 1,00,000 platter - 1 to 5.

Note: Block
Contiguous sectors

RIW interms of blocks.

Block Add = < Track No, Sector No>

Block size 512 byles.



## student

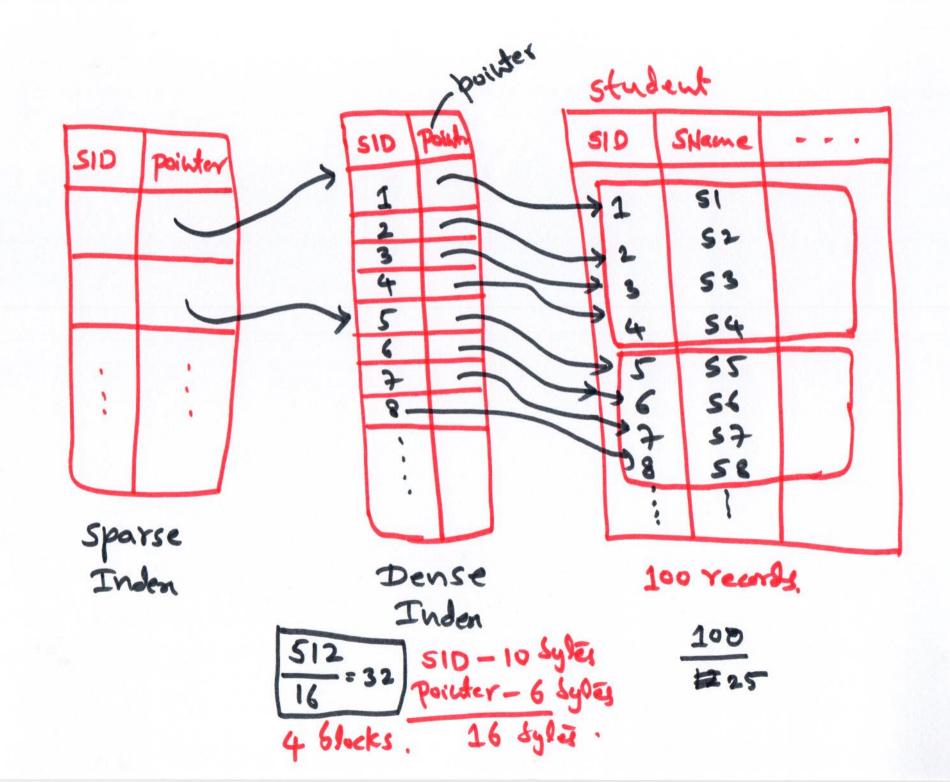
SID	SName	Course	Dept	add
11	SI	•	,	•
2	52			
3	S3			
4	54			
5	55			
4	56			
1	;			
100	Sloc			

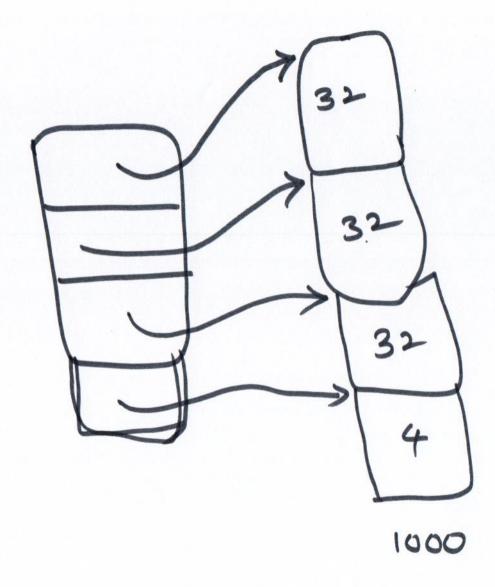
student

Assume block size - 512 Syles.

Q: How many student record we can store in one & Pock?

: We need 25 block for 100 records.





## Index Sequential Access model (ISAM)

