

Chapter-7

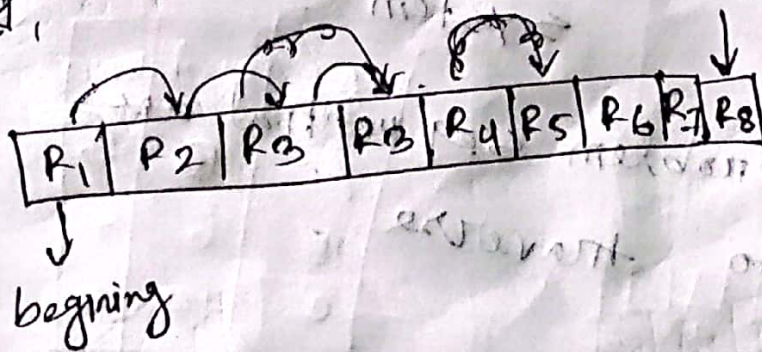
(*) File access: আলাবোর্ডিন সিস্টেম কাছে অনেক
বিভিন্ন way আছে একটি file কে কিভাবে
access করে।

- Sequential access
- Direct
- Indexed Access

(*) Sequential access

এটি একটি serial access

- information side কে একটির পর একটি access
করে।



Adv.

Easy methods

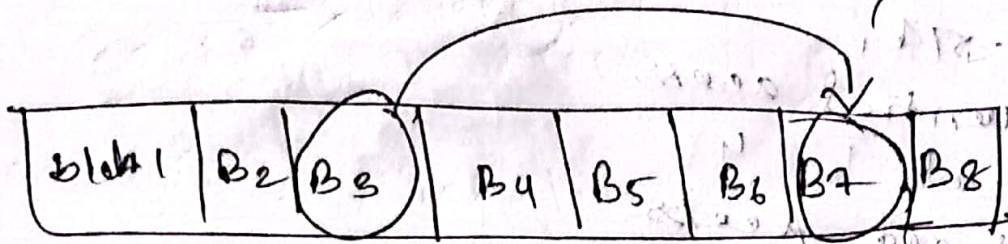
is Adv

Time consuming that's why slow.

Direct access is fast

(*) Direct Access

- file structure store 24 unit number sequence 1208 कदम



Read & write n
Goto n

us in Database
system

Adv.

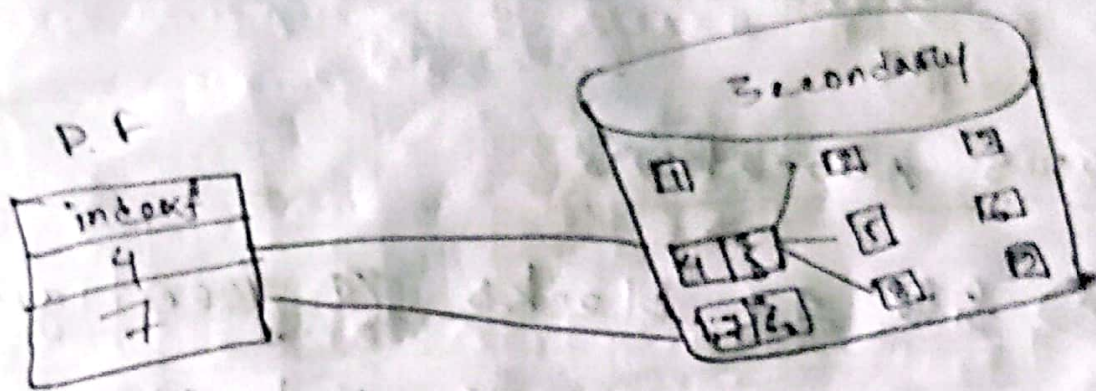
- (*) solve the problem sequential access
- (*) Need not to traverse

(*) Index Access: जब blocks को जब

blocks को index को store करें

• प्रत्येक index A पता

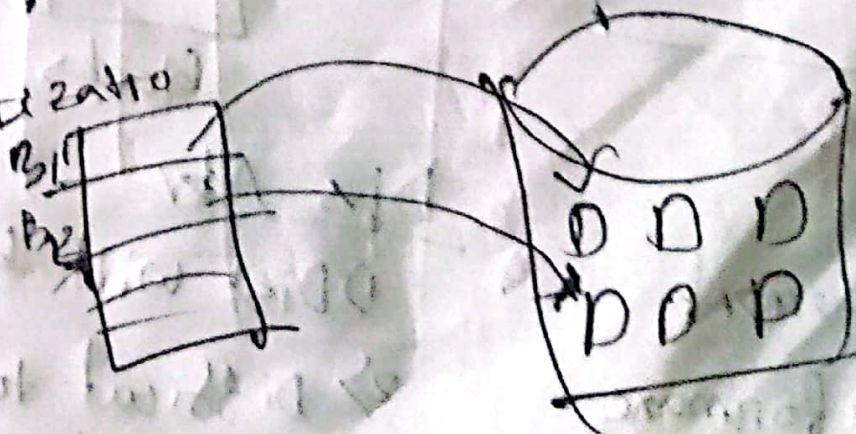
- Primary index file manage करें
Pointer पता than secondary index
पता actual Address of blocks



Allocation Methods

- (*) File को blocks में divide कर Secondary storage में store करना।
- (*) File को Logical partition करके block में store करना।
- (*) File को convert करके sector में store करना।

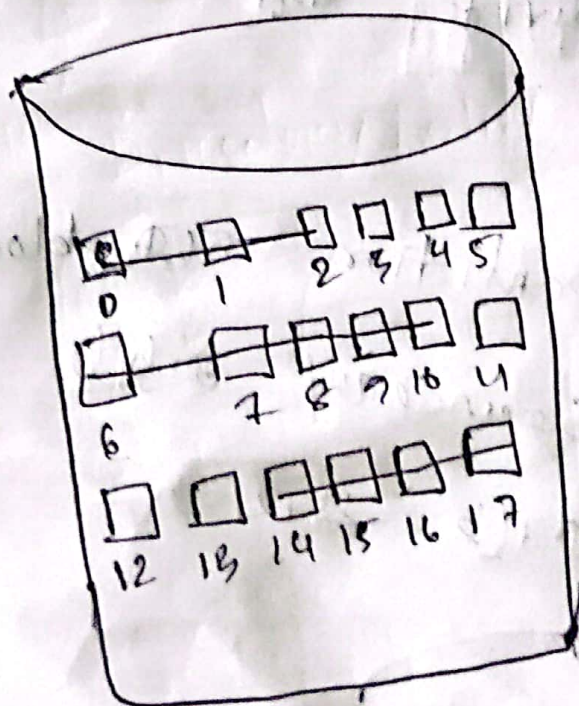
Efficient Data Access System



- contiguous allocation
- Non Contiguous allocation
 - Link List Allocation
 - Indexed Allocation

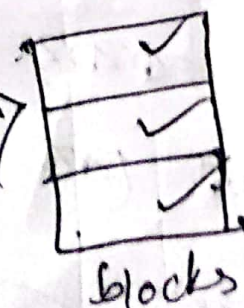
(*) Contiguous Allocation:

(*) File 23 blocks ko contiguous way ko storage r maki data sumr rakht,



File	Start	length
A	0	3
B	6	5
C	14	4

sum
100
01



Adv:-

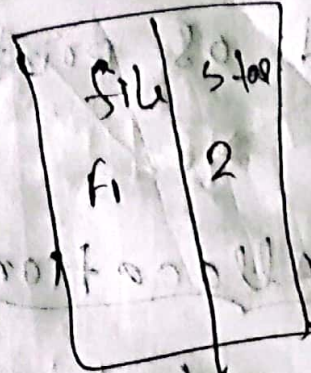
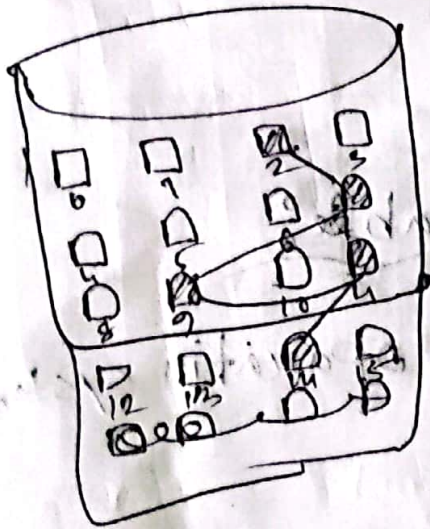
- Easy to implement
- Excellence ^{Read} performance

Dis Adv

- 1) Disk will become
- 2) Difficult to grow file

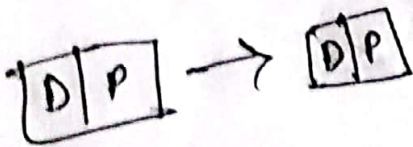
(*) Link list Allocation:

- file এর block গুলি secondary file
কি. বসাবে Non contiguous way তে



B ₁	✓
B ₂	✓
B ₃	✓
B ₄	✓
B ₅	✓

- block গুলি Non contiguous way ত থাকে
কারণ আমরা pointer use করে Data-র



- Data-র কোথায় ব্লক থাকবে তা pointer
কি stop করতে... 1 ব্লক।

Adv

- 1) No External fragmentation
- 2) file size can increase.

Dis Adv:

1) Long seek time

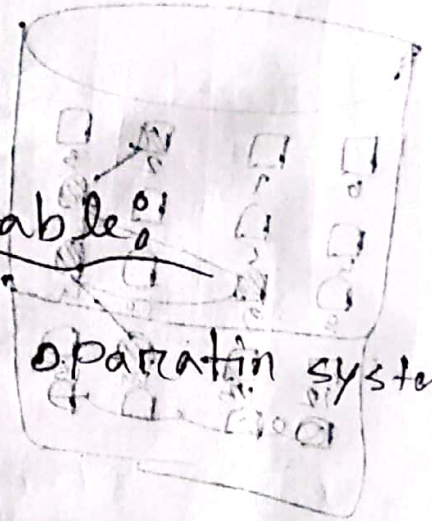
[Read
write more data
time more]

2) Random access / Direct Access karta hai

3) overhead less / Pointer

(*) FAT (File Allocation table)

• support (DOS / MSDOS) operation system



Directory Entry

5

0	4
1	
2	
3	-2
4	9
5	
6	
7	
8	
9	1
10	

2

End

Allocation:-

2

