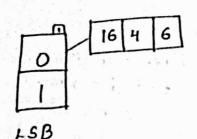
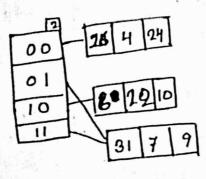
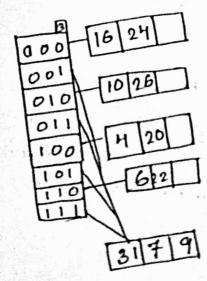
O Extendible Hashing (Dynamic Hashing)

-It is a dynamic hoshing method where in directories & buckets are used to hash data. It is an agressibly flexible method in which hash function experiences dynamic changes.

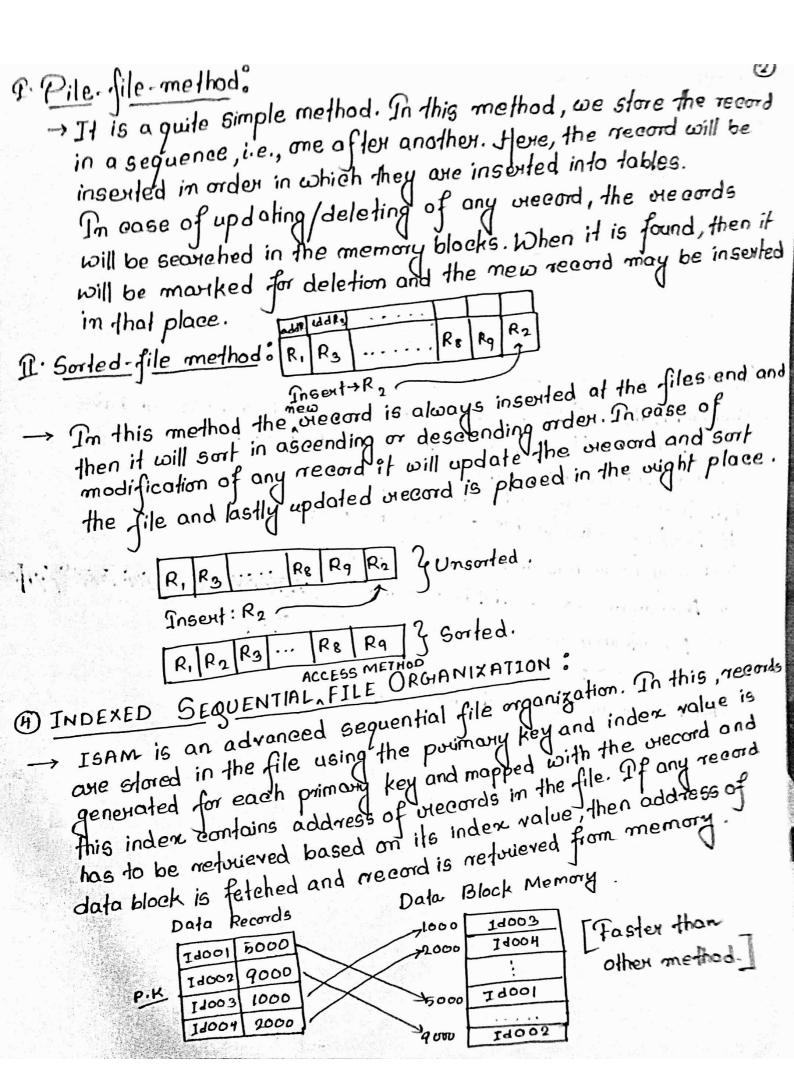
Example:



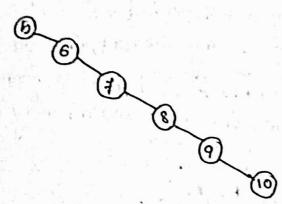




| O File Ouganization: |
|--|
| 1 Hash file oviganization |
| 1) Hash file ouganization 1) Heap file ouganization |
| 3 Sequential file organization |
| 4) Indexed sequential file organization. |
| THE HASH FILE ORGANIXATION: - It uses the computations of hash function on some fields of the vectords. The hash function routput determines the location of we cords. The hash function routput determines the location of we cords. The hash function routput determines the location of we cords. The hash function record has a record when a record has the blocks where we cords are to be placed. When a record and the be veceived using that address. **Haddhole record is retwieved using that address. |
| these blocks where viecords key then address is to be vieceived using hash key then address. It is bole record is retvieved using that address. |
| Medalinote to the same of the |
| HEAP FILE ORGIANIXATION: The simplest and most basic type of organization. It works with the simplest and most basic type of organization. It works with the simplest and most basic type of organization. It works with the simplest and most basic type of organization. It works with the simplest and most basic type of organization. It works with the simplest and most basic type of organization. It works with the simplest and most basic type of organization. It works with the simplest and most basic type of organization. It works with the simplest and most basic type of organization. It works with the simplest and most basic type of organization. It works with the simplest and most basic type of organization. It works with the simplest and most basic type of organization. It works with the simplest and most basic type of organization. It works with the sorting and when records are inserted it does not require the sorting and when records are inserted it does not require the sorting and when records are inserted it does not require the sorting and when records or a property of the sorting and the sorting |
| Ra \ |
| 3 SEQUENTIAL FILE ORGANIZATION: - It is the easiest method for file organization. Ry - It is the eas |
| This method Ways: 1. Pile-file method. To Sorted-file method. |
| Tr. Sorted-file memoca. |



5, 6, 7, 8, 9, 10



O Balanced m-way Twee (B-Twee)

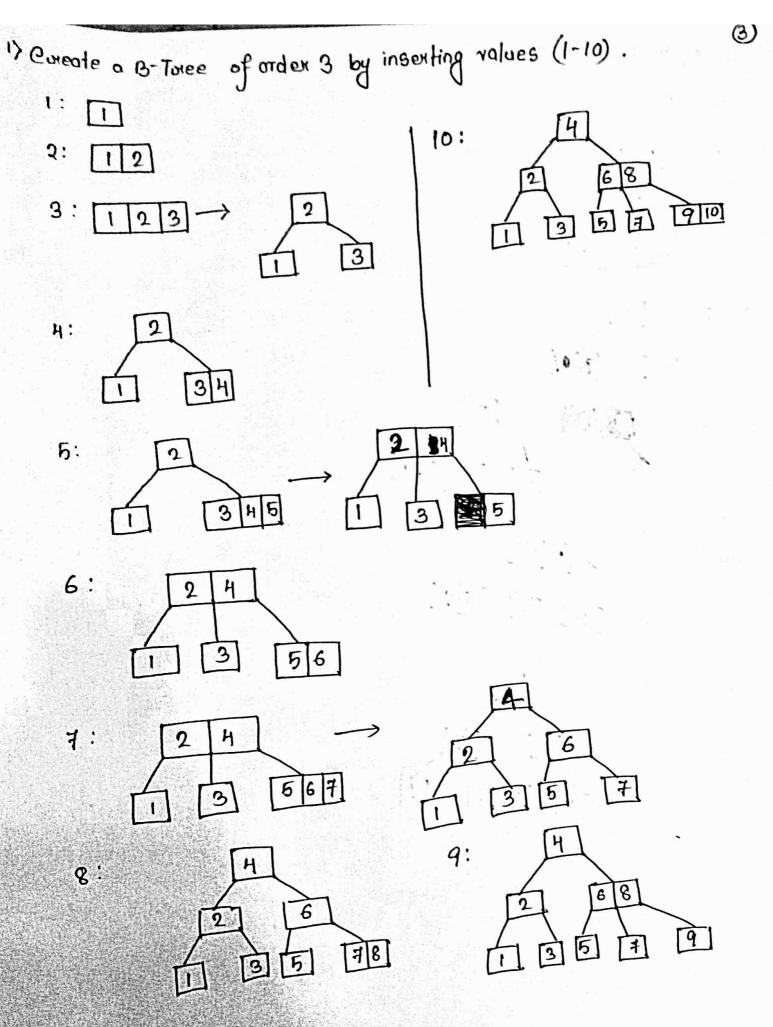
-Greneralization of binary search three in which a mode can have more than one key or more than one children.

It maintains sorted data.

All leaf. modes must be at same level.

B-tuee of order in has following properties.

- (i) Every node has maximum m-children.
- (ii) Minimum mo. of children will be 0 partition
- (iii) For internal modes -> minimum will be [m/2]
 - (iv) Maximum no. of children -> (m-1)



- 2) 2,9,5,6,3,1,7
- サコ: 回
- 7 9: [2]
- ⇒ 5: 5 [5]
- ⇒ 6: 5 2 99
- → 3: 5 [6]q
 - +1:
 25

 1 3 69
 - #: 凤凤

-> It is a variation of B. Thee ds. In a B+ three data pointers are stored only at the leaf nodes of the true. In a B+ true structure of leaf mode differs from the structure of internal modes. The leaf modes have an entry for every securch field along with a data pointer to the records. The reaf nodes of B-trice are linked together to provide access to the search fields to the necord.

Given, 7,10,1,23,6,16,17,9,11,39,35,8,40,25 (5-way B+ twee)

Bol: 15 17 23 9 10 10 23 - 5 23 901011 7 8 [Not more than 2-copies we there

Land copy is in leaf-node.

O Difference b/w B-twee and B+twee.