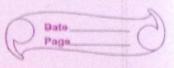# * Searching techniques

1 Index searching

- It is a successful search technique applicable on files that are too large to be accommodated in the internal memory of the computer. It is also known as Index Sequential Access Method. The search procedure and its variants have been successfully applied to Database system.

- As we know that search technique is commonly used on databases or files which span several block of storage areas, the technique could be deemed as an external searching technique. To search for a key one needs to look into the index to obtain the storage block where the associated group of records of elements are available. once the block is retrieved, the retrieval of the record represented by the key merely reduces to a sequential search within the block of records for the key.

Search

1 Index search

```
printf("Enter value for search");
scanf("%d",&ch);

for(i=0; i<n; i++) {
    if(i==ch) {
        printf("value found at %d position and value
                %d", i,ch);
        break; fa=1;
            break;
        }
    }

    if(fa==0) {
        printf("value is not found");
    }
```