

Assignment-5

Q Name the different type of file Accessing method and describe them.

There are three types of ways to access a file into a computer system.

1. Sequential access, Direct Access, Index Sequential method.

1. Sequential access -

It is the simplest access method. Data is accessed one record right after another record in an order. ~~ext~~ Read and write make up the bulk of the operation on a file. When we use read command, it move ahead pointer by one. When we use write command, it will allocate memory and move the pointer to the end of the file. Such a method is reasonable for tape.

2. Direct Access -

It is also known as relative access method. A fixed-length logical record that allows the program to read and write record rapidly, in no particular order. The direct access is based on the disk model of a file since disk allows random access to any file block. For direct access, the file is viewed as a numbered

sequence of block or record. A block number provided by the user to the OS is normally a relative block no., the first relative block of the file is 0 & then 1 & so on. There is no restriction on the order of reading & writing for a direct access file.

3 Index sequential method

It is the other method of accessing a file that is built on the top of the sequential access method. These methods construct an index for the file. To find a record in the file, we first search the index and then by the help of pointer we access the file directly. } It is built on top of sequential access.

It control the pointer by using index.