Access Types

- Query all or most records of a file (>15%)
- Query some special record
- Query some records (<15%)
- Scope query
- Update

File Organization

- Heap file: records stored according to their inserted order, and retrieved sequentially. This is the most basic and general form of file organization.

- Direct file: the record address is mapped through hash function according to some attribute's value.

- Indexed file: index + heap file/cluster

- Dynamic hashing: p115

- Grid structure file: p118 (suitable for multi attributes queries)

- Raw disk (notice the difference between the logical block and physical block of file. You can control physical blocks in OS by using raw disk)