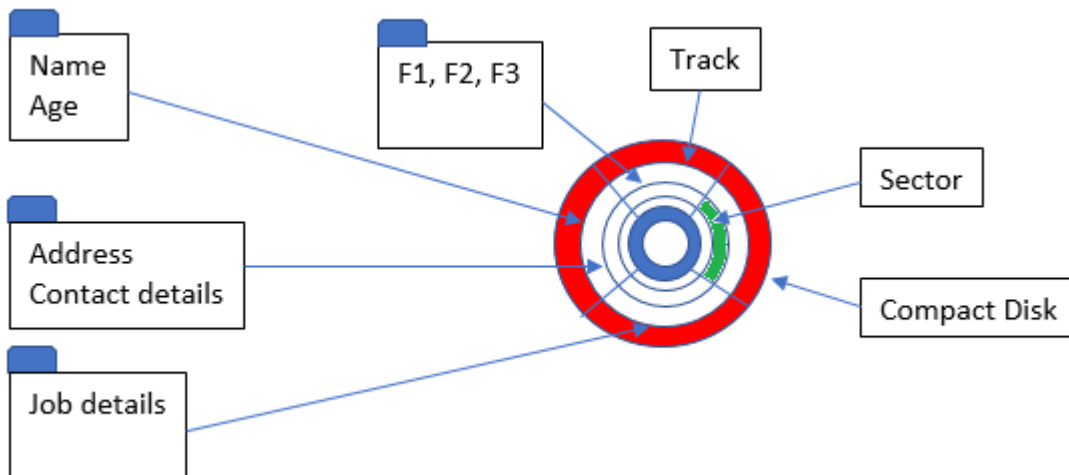
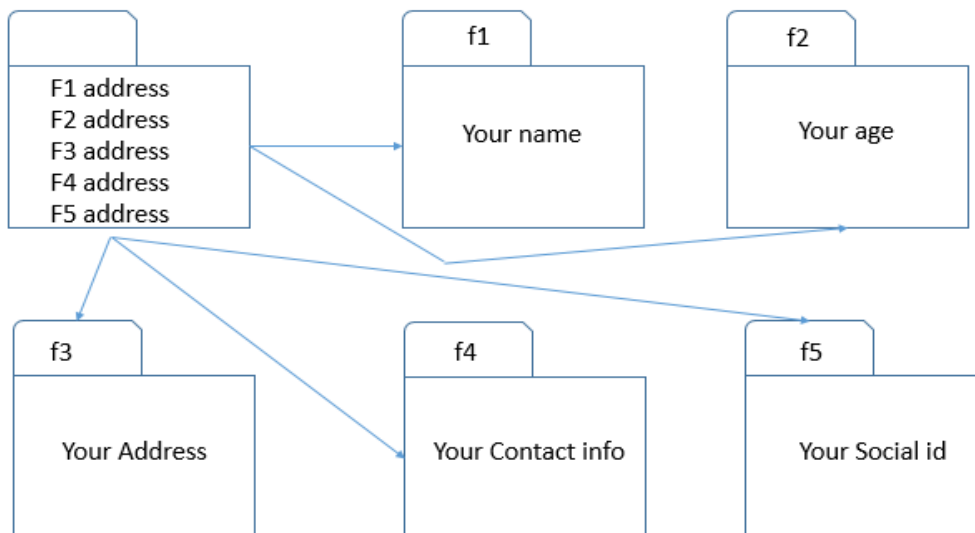


File System

In the 1960's, flat file system was introduced. Computer stores data in different sizes of blocks in its memory. This is known as file. In file system data is stored in these files. These files have limited capacity, so we need to create lots of files to store big size data. This kind of data storage is known as file system.



If we want to store data of yours, then one file is created with your name, in which your basic details could be stored, but these kinds of files have very limited storage space, so we need to create lots of files to store your whole data. To access these all files, we need to give these all files a unique number or name. then we need to create a file which contains the numbers or names of all remaining files. It's like an index of a book. This system is very lengthy and we need to learn computer language programming commands to manage this system.



Advantages:

- 1) Due to distributed files virus issue is not such a big concern.
- 2) This was such a day saver system in the early time period of computers.

Disadvantages:

- 1) Very complex structure.

- 2) Due to limited storage capacity we need to create lots of files to store even a single object's data.
- 3) If index file is lost, then all related files are useless. We need to create them all again. This creates lots of copies of the same data.
- 4) Any types of changes in any file leads to create whole new set of files again.
- 5) We need to know the programming languages.
- 6) This system is based on navigation technique, so it consumes lots of time and efforts.
- 7) In this system lots of memory space is wasted.

Instead of this all file system was a revolutionary invention which plot the seeds of modern database. File system is still very useful. Database can't be used everywhere. Like if we want to install an application or a software, then we need to download its files first. Then these files run the commands on the system, afterwards the application or software will run on our system.

In short if the whole data contained in a file needs to be used at once, then file system is best for that, like installation files.