2020 2019

**Advantages of file based approach**

Cost effective

Security

Reliability

Data sharing

Data backup

Environmental friendly

**Disadvantages**

Redundancy

Inconsistency

Accessibility not easy

Data Lacks integrity

**Structural independence & data independence**

Data ind – ability to modify one level of dbms without affecting next higher levels’ data structure or access method.

Structural independence – exists when changes in database structure do not affect dbms ability to access data

Data dependence – extent to which that program is exposed to changes made to that external sources.

Structural dependence – exists when changes in db structure do not affect dbms ability to access data