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What are the Advantages and Disadvantages of Database?

- **Advantages of Database.** Data Abstraction. Controlling Data Redundancy. Minimized Data inconsistency. Data Manipulation Easily. Data can be shared. Data Security. Support Multi-users Views. Concurrent Access. ...
- **Disadvantages of Database.** Cost of Hardware and Software. Cost of Data Conversion. Cost of Staff Training.

- Reduced data redundancy
- Reduced updating errors and increased consistency
- Greater data integrity and independence from applications programs
- Improved data access to users through use of host and query languages
- Improved data security
- Reduced data entry, storage, and retrieval costs
- Facilitated development of new applications program

Disadvantage of database

- Database systems are complex, difficult, and time-consuming to design
- Substantial hardware and software start-up costs
- Damage to database affects virtually all applications programs
- Extensive conversion costs in moving from a file-based system to a database system
- Initial training required for all programmers and users