Advantages of a Database

Storage : A database not only stoves information but lets you add, delete,update and organize information easily.

Easy Searching and Updating : When large amount of information is stored together, it is rather difficult to search for information. For example, in a students list, you would like to see those who have scored 75% in all subjects. Now such kind of queries are easily dealt by a database.Similarly, a database makes it very easy to perform calculations and make changes on hundreds of records at one go. For example, an accounts manager wants to increase salaries of all clerks by 10%. He can achieve this with a single stroke without actually going to each record and making the changes.

Reduction of Data Redundancy : Data redundancy means duplication of data or information. Database normally stores all the data in a centralized manner which makes sure that data is stored only once.

Controlled Consistency : Due to the cenfralized nature of storage, data is updated or deleted at the same place. So this avoids any kind of data inconsistencies. So any number of applications accessing the data will get the same or uniform data.

Data Sharing : Every point literally revolves around the centralized data. This feature will allow resource or data sharing. Only a single occurrence of the data can be shared by a set of applications.

Enforcement of Standards : Today the world has shrunk due to technological advancements like Internet and networking. People in different locations use the same data. So common standards and formats are desirable and convenient which help easy exchange of data.