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2. Data is a raw, unorganized facts that need to be processed. Data can be something simple and seemingly random and useless until it is organized. Information is when data is processed, organized, and structured to make it useful. For example, Snaptext (imagined) is company that allow user to send text and short video. Their database is organized using one cluster. In that cluster, there are two catalog. The first catalog saves the person information and the other catalog saves the text and video. The first catalog has 4 schema. The schema is consist of the information like First name, Last name, Email, Password. Those schema are organized in row and column. The organized data in first catalog is called information. If it is not organized in row and column, it is data, not information. Those data are meaningless. In the world, information is an important aspect in almost every part of our life. From what kind of fashion style people likes to whether we should buy stock in google or apple, we depend on accurate information. That shows the value of information.

3. A hierarchical database model is a data model in which the data is organized into a tree like structure. A network prerelation data model is a database model that allows multiple records to be linked to the same owner file. In relational model, all data must be stored in relations (tables), and each relation consists of rows and columns. XML is not a database. It is a useful technology

for moving data between different databases or between databases and other programs. However, it is not itself a database.

