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The main challenge with data granularity is maintaining it at a level that is neither too high nor too low. Low data granularity will result in detailed data, but it will also increase storage requirements and increase query times. High granularity degrees can be searched quickly and easily, but they are limited in how much detail they can supply. An essential component of the data warehouse, the overflow memory, which was used to store the uncommonly used data, has a significant impact on granularity. The granularity classification of the data warehouse will be directly impacted by the sort of analysis that can be done there. Less detailed processes can be carried out in the data warehouse as granularity increases. Multiple granularities can be used to achieve a balance between the volume of data and the ability to answer queries. Data warehouse, hardware, software, and business decision analysis are all used to compromise on the classification of the data granularity. The classification of the bank environment data granularity is made based on a thorough study of the peculiarities of banking data as well as the raised strategy and principles. Although the sample's granularity classification is rather straightforward, it can better serve the needs of banking industry analysis. Additionally, it can be used as a model to classify the banks' other pertinent data at various granularities.

Sources