Data inconsistency is a situation where data is missing from other files. Data is just incomplete or just some information is missing for the remaining files. We can also say that the data does not match for remaining files. Suppose we consider an example of a hospital which consists of Doctor, Nurse, and patients. The manual database of the hospital consists of all the information of doctors, nurses, and patients. Now a patient has a record of various diseases, so various files are generated. Now it happens that the patient’s address has been changed and the patient informs this only to the doctor. So the new address is written by the doctor on his diagnostic file only. The staff is unaware of the change in the patient’s address. So the staff uses the old address for billing. Here, we can see that on patient’s diagnostic file there is a new address and on billing report, there is an old address. So clearly the patient is the same but the addresses are different on different files. This makes data inconsistent in the database system. Hence data consistency occurs when the other tables in the database or other files in the system are either missing or not updated.

**References**

What Is the Definition Of Data Inconsistency?

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