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**overview**

**what is database testing?**

Database testing includes performing data validity, data integrity testing, performance check related to database and testing of procedures, triggers and functions in the database.

**Example**

Consider an application that captures the day-to-day transaction details for users and stores the details in the database. From database testing point of view, the following checks should be performed.

• The transactional information from the application should be stored in the database and it should provide correct information to the user.

• Information should not be lost when it is loaded to database.

• Only completed transactions should be stored and all incomplete operations should be aborted by the application.

• Access authorization to database should be maintained. No unapproved or unauthorized access to user information should be provided.

**Types of testing**

Basing on the structure and function of a database it is divided into three types

They are

* STRUCTRAL TESTING
* FUNCTIONAL TESTING
* NON FUNCTIONAL TESTING

**STRUCTRAL TESTING:**

It involves testing of components which are not visible to the end user

A good command over SQL stored procedures and other concepts generally need to perform this testing

It involves the following types of testing like

**Schema testing**

**Tigger testing**

**Indexes and keys testing**

**Stored procedure and views testing**

**Table and column checks**

**Database server checks**

**FUNCTINAL TESTING:**