



Start-TechAcademy

PostgreSQL



SQL: Lecture 2

ACID

ACID (an acronym for Atomicity, Consistency Isolation, Durability) is a concept that Database Professionals generally look for when evaluating databases and application architectures. For a reliable database all these four attributes should be achieved.

ACID

- ATOMICITY

Atomicity is an all-or-none proposition

- CONSISTENCY

Consistency ensures that a transaction can only bring the database from one valid state to another

- ISOLATION

Isolation keeps transactions separated from each other until they're finished.

- DURABILITY

Durability guarantees that the database will keep track of pending changes in such a way that the server can recover from an abnormal termination

