**What** IS SQL

SQL is a database computer language designed for the retrieval and management of data in a relational database. SQL stands for Structured Query Language. This tutorial will give you a quick start to SQL. It covers most of the topics required for a basic understanding of SQL and to get a feel of how it works.

**What You Can Do with SQL**

There are lot more things you can do with SQL:

* You can create a database.
* You can create tables in a database.
* You can query or request information from a database.
* You can insert records in a database.
* You can update or modify records in a database.
* You can delete records from the database.
* You can set permissions or access control within the database for data security.
* You can create views to avoid typing frequently used complex queries.

ist of SQL Commands

Glossary of commonly used SQL commands

BACKGROUND

SQL, Structured Query Language, is a programming language designed to manage data stored in relational databases. SQL operates through simple, declarative statements. This keeps data accurate and secure, and it helps maintain the integrity of databases, regardless of size.

Here’s an appendix of commonly used commands.

COMMANDS

ALTER TABLE

ALTER TABLE table\_name

ADD column\_name datatype;

ALTER TABLE lets you add columns to a table in a database.

AND

SELECT column\_name(s)

FROM table\_name

WHERE column\_1 = value\_1

AND column\_2 = value\_2;

AND is an operator that combines two conditions. Both conditions must be true for the row to be included in the result set.

AS

SELECT column\_name AS 'Alias'

FROM table\_name;

AS is a keyword in SQL that allows you to rename a column or table using an alias.

AVG()

SELECT AVG(column\_name)

FROM table\_name;

AVG() is an aggregate function that returns the average value for a numeric column.

BETWEEN

SELECT column\_name(s)

FROM table\_name

WHERE column\_name BETWEEN value\_1 AND value\_2;

The BETWEEN operator is used to filter the result set within a certain range. The values can be numbers, text or dates.