## SQL Data Base

The SQL CREATE DATABASE Statement

The CREATE DATABASE Statement is used to create a new SQL database.

Syntax:

CREATE DATABASE databasename;

Example:

CREATE DATABASE test DB;

The SAL DROP DATA BASE Statement.

The DROP DATABASE Statement is used to drop an existing SQL database.

Syntax:

DROP DATA BASE data basename;

Example:

DROP DATA BASE test DB;

The SQL BACKUP DATABASE statement.

The BACKUP DATABASE Statement is used in SQL Server to create a full backup of an emisting SQL database.

```
Syntax:
   BACK UP DATABASE databasename
   TO DISK = file path :
The SQL BACKUP WITH DIFFERENTIAL Statement.
 The differential back up only backs up the parts of the data base that have changed since the last full data
  base backup.
  Syntax:
   BACKUP DATABASE databakname
   To Disk = file path'
   WITH DIFFERENTIAL;
   BACKUP DATABASE example:
   BACKUP DATABASE test DB
   TO DISK = D:\back UPs\testDB. bak';
   BACKUP WITH DIFFERENTIAL Example:
   BACKUP DATABASE test DB
   TO DISK = D: \ backups \ test DB.bak'
   WITH DIFFERENTIAL;
```

The SQL CREATE TABLE Statement.

the create table statement is used to create a new table in a database.

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```
Syntax:
   CREATE TABLE table_name(
             column 1 data type,
             columna data type,
             columns data type,
       );
The SQL DROP TABLE Statement.
  The DROP TABLE statement is used to drop an existing
  table in a database.
  Syntanc:
   DROP TABLE table _ name;
   Example:
   PROP TABLE Shippers;
SQL TRUNCATE TABLE
    The TRUNCATE TABLE statement is used to delete the
   data inside a table, but not the table itself.
    Syntax:
    TRUNCATE TABLE table_name;
```

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- SQL ALTER TABLE Statement.

  The ALTER TABLE statement is used to add, delete, or modify columns in an enrishing table.
- ALTER TABLE ADD column Syntax:

  ALTER TABLE table \_ name

  ADD column \_ name data-type;
- ALTER TABLE DROP COLUMN Syntax:

  ALTER TABLE table name

  DROP COLUMN column\_name;
  - → SQL Create constraints

.....

constraints can be specified when the table is created with the create table statement, or after the table is created with the alter table statement.

Syntax:

CREATE TABLE table \_ name (

Column 1 data type constraint;

column 2 data type constraint,

Column 3 data type constraint,

٥;

SQL NOT NULL Constraint. The NOT NULL constraint enforces a column to NOT accept NULL Values. Example: CREATE TABLE Persons ( ID Int NOT NULL Last Name Varchar (255) NOT NULL, First Name Varchar (255) NOT NULL, Age int ); SQL CREATE INDEX Statement. The CREATE INDEX Statement is used to create Indexes in tables. CREATE INDEX Index\_name

```
CREATE INDEX Index _name
ON table_ name (column1, column2, ....);

Example:

CREATE INDEX idx _ last name
ON persons (Last name);
```

- CREATE UNIQUE INDEX Syntax:

CREATE UNIQUE INDEX Index\_name ON table\_name (column1, column2, ....);

TROP INDEX Statement

The DROP INDEX Statement is used to delete an indea

Ms Access:

DROP INDEX Index\_name on table\_name;

SQL SERVER:

DROP INDEX table\_name. index\_name;

DB2/oracle:

DROP INDEX Index\_name;

My SQL:

ALTER TABLE table\_ name

DROP INDEX Index - name;

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