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SQL CREATE TABLE

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In the **SQL** database for creating a table, we use a command called **CREATE TABLE**.

SQL CREATE TABLE Statement

A **Table** is a combination of rows and columns. For creating a table we have to define the structure of a table by adding names to columns and providing data type and size of data to be stored in columns.

Syntax:

CREATE table table_name

AD

(

Column1 datatype (size),

column2 datatype (size),

.

.

columnN datatype(size)

);

*Here **table_name** is name of the table, **column** is the name of column*

SQL CREATE TABLE Example

Let us create a table to store data of Customers, so the table name is Customer, Columns are Name, Country, age, phone, and so on.

```
CREATE TABLE Customer(
    CustomerID INT PRIMARY KEY,
    CustomerName VARCHAR(50),
    LastName VARCHAR(50),
    Country VARCHAR(50),
    Age int(2),
  Phone int(10)
);
```

Output:

Customer

CustomerID	CustomerName	LastName	Country	Age	Phone
empty					

Insert Data into Table

To add data to the table, we use INSERT INTO, the syntax is as shown below:

Syntax:

//Below query adds data in specific column, (like Column1=Value1)//

Insert into *Table_name(Column1, Column2, Column3)*

Values (Value1, value2, value3);

//Below query adds data in table in sequence of column name(Value1 will be

added in Column1 and so on)//

Insert into *Table_name*

Values (Value1, value2, value3);

//Adding multiple data in the table in one go//

Insert into *Table_name*

Values (Value01, value02, value03),

(Value11, value12, value13),

(Value21, value22, value23),

(ValueN1, valueN2, valueN3)

Example Query

This query will add data in the table named Subject

```
-- Insert some sample data into the Customers table
INSERT INTO Customer (CustomerID, CustomerName, LastName, Country, Age, Phone)
VALUES (1, 'Shubham', 'Thakur', 'India','23','xxxxxxxxxx'),
       (2, 'Aman ', 'Chopra', 'Australia','21','xxxxxxxxxx'),
       (3, 'Naveen', 'Tulasi', 'Sri lanka','24','xxxxxxxxxx'),
       (4, 'Aditya', 'Arpan', 'Austria','21','xxxxxxxxxx'),
       (5, 'Nishant. Salchichas S.A.', 'Jain', 'Spain','22','xxxxxxxxxx');
```

Output:

Customer

CustomerID	CustomerName	LastName	Country	Age	Phone
1	Shubham	Thakur	India	23	xxxxxxxxxx
2	Aman	Chopra	Australia	21	xxxxxxxxxx
3	Naveen	Tulasi	Sri lanka	24	xxxxxxxxxx
4	Aditya	Arpan	Austria	21	xxxxxxxxxx
5	Nishant. Salchichas S.A.	Jain	Spain	22	xxxxxxxxxx

Create a Table Using Another Table

We can also use CREATE TABLE to create a copy of an existing table. In the new table, it gets the exact column definition all columns or specific columns can be selected.

If an existing table was used to create a new table, by default the new table would be populated with the existing values from the old table.

Syntax:

CREATE TABLE new_table_name AS

   SELECT column1, column2,…

   FROM existing_table_name

   WHERE ….;

Query:

```
CREATE TABLE SubTable AS
SELECT CustomerID, CustomerName
FROM customer;
```

Output:

SubTable

CustomerID	CustomerName
1	Shubham
2	Aman
3	Naveen
4	Aditya

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