

Create a temporary name using ALIAS in SQL

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SQL ALIAS is used to **create a temporary name** (called an alias) for a column or table. This command allows you to change the temporary name for a table or column with a different name in the database.

1. **TABLE ALIAS** is used to shorten SQL for easier readability or when you need to manually connect (for example, listing the same table more than once in the FROM clause).
2. **COLUMN ALIAS** is used to create column headers in the results for easy viewing or meeting the purpose of a particular SQL query.

Changing this name is temporary and does not change the original table name in the database.

Syntax

The syntax of TABLE ALIAS (table alias) is as follows:

```
SELECT cot1, cot2.
FROM ten_bang AS ten_tamthoi
WHERE [dieu_kien];
```

The syntax of COLUMN ALIAS (alias column) is as follows:

```
SELECT ten_cot AS ten_tamthoi
FROM ten_bang
WHERE [dieu_kien];
```

Example of using ALIAS

Suppose the two tables are *NHANVIEN* and *TIENTHUONG* with the following records:

Table 1: *NHANVIEN*

```
+-----+-----+-----+-----+ | ID | TEN | TUOI | DIACHI | LUONG
```

Table 2: *TIENTHUONG*

```
+-----+-----+-----+-----+ | TT_ID | NGAY | NHANVIEN_ID
```

Here's how to use **TABLE ALIAS** in SQL:

```
SQL> SELECT C.ID, C.TEN, C.TUOI, O.SOTIEN
FROM NHANVIEN AS C, TIENTHUONG AS O
WHERE C.ID = O.NHANVIEN_ID;
```

The result is:

```
+-----+-----+-----+-----+ | ID | NAME | AGE | AMOUNT | +-----+-----+-----+-----+
```

And the usage of **COLUMN ALIAS** in SQL is as follows:

```
SQL> SELECT ID AS NHANVIEN_ID, TEN AS NHANVIEN_TEN
FROM NHANVIEN
WHERE LUONG IS NOT NULL;
```

The above example will return the result:

```
+-----+-----+-----+ | NHANVIEN_ID | NHANVIEN_NAME | +-----+-----+-----+-----+
```

In the next articles, Quantrimang will discuss with you the index (INDEX) in SQL. Have you remembered to it!

Previous article: NULL value in SQL

Next article: Index (INDEX) in SQL

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