

Reading: Examples to CREATE and DROP tables

Objectives

At the end of this lab, you will be able to:

- Create and Drop tables in the database.

Estimated time to complete: 5 minutes

CREATE TABLE statement

In the previous video, we saw the general syntax to create a table:

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99. 99
100. 100
```

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Consider the following examples:

1. Create a TEST table with two columns - ID of type integer and NAME of type varchar. For this, we use the following SQL statement.

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98. 98
99. 99
100. 100
```

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2. Create a COUNTRY table with an integer ID column, a two-letter country code column, and a variable length country name column. For this, we may use the following SQL statement.

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100. 100
```

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3. In the example above, make ID a primary key. Then, the statement will be modified as shown below:

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99. 99
100. 100
```

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In the above example, the ID column has the NOT NULL constraint added after the datatype, meaning that it cannot contain a NULL or an empty value. This is added since the database does not allow Primary Keys to have NULL values.

DROP TABLE

If we tell you are trying to create already exists in the database, you will get an error indicating **table XXXYYY already exists**. To circumvent this error, create a table with a different name or first DROP the existing table. It is common to issue a DROP before doing a CREATE in test and development scenarios.

The syntax to drop a table is:

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98. 98
99. 99
100. 100
```

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For example, consider that you wish to drop the contents of the table COUNTRY if a table exists in the dataset with the same name. In such a case, the code for the last example becomes

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99. 99
100. 100
```

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WARNING: Before dropping a table, ensure it doesn't contain important data that can't be recovered easily.

Note that if the table does not exist and you try to drop it, you will see an error like **XXXYYY is an undefined name**. You can ignore this error if the subsequent CREATE statement is executed successfully. In a hands-on lab later in this module, you will practice creating tables and other SQL statements.

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Changelog

Date	Version	Changed by	Change Description
2023-10-10 16:26		Mehmet Sahinler	QA Pass v1.0.0
2023-10-07 2:3		Mary Taylor	ID Check
2023-08-09 2:4		Abhinav Garg	Updated instructions
2023-05-10 2:3		Eric Han & Vladimir Boyko	Updated Page Frames
2023-05-10 2:2		Eric Han & Vladimir Boyko	Updated Page Frames
2023-05-10 2:1		Eric Han & Vladimir Boyko	Updated Page Frames
2023-05-10 2:0		Melissa Singh	Markdown the content