



SQL CMDs: USE, DROP, GRANT, CREATE & REPLACE - REPLICA OF TABLE TOO, DESCRIBE, INSERT.

- If we use command `use warehouse <warehouse name>` the warehouse will still be in `suspended` form until u run any query in it.

Example:

```
# Stadium is open for viewers, but viewers hasn't come yet.  
# So, same way you are using Warehouse but u didn't hit query yet.  
# That's why it's still suspended.
```

SIMPLE SQL COMMANDS

- First command that will run in your snowflake worksheet :
 - USE A WAREHOUSE

```
USE WAREHOUSE <warehouse_name>;
```

- USE A DATABASE

```
USE DATABASE <database_name>;
```

- Drop the database

```
DROP DATABASE <database_name>;
```

- Granting permission to others to use that particular table in that warehouse and database. he can read not edit it or delete it.

```
GRANT SELECT ON <table_name> to <name_of_user_u_want_to_give> or PUBLIC
```

- **When working on multiple schemas.**

```
SELECT * FROM "database_name"."schema_name"."table_name";

--Easy way to do this is in snowflake is go to the table which you want to select,
--Write SELECT * FROM
--Go to table name on left hand side click on hamburger menu
--Select the place name in sql, this will automatically put the name in front of
--SELECT * FROM
```

- **When working on a same schema for whole day.**

```
USE DATABASE <database_name>;
USE SCHEMA 'schema_name';
SELECT * FROM <table_name>;
```

- Creating table. You should also write Replace to if there is same name table so it will replace all the old values with new. **When writing table name write your first 2 letters of your name first then table name, so people can know you have created this.**

```
CREATE OR REPLACE TABLE AD_Employee (
  Name Varchar(20),
  Email Varchar(50),
  DOB date
);
```

- Create table or replace table where its all structure should be same as a given table

```
CREATE OR REPLACE TABLE new_table_name LIKE give_table;
```

- Create a table where structure and data is same as given table.

```
CREATE OR REPLACE TABLE new_table_name AS
SELECT * FROM given_table;

-- Copy Specific Columns only
CREATE TABLE OR REPLACE TABLE new_table_name AS
SELECT column1, column2 FROM given_table;
```

- Describing table info

```
DESCRIBE TABLE <table_name> -- It shows Meta Data
```

- In order which you create your table in that order u have to Insert your data.

```
#To work with sql in snowflake first select database u want to work
USE DATABASE database_name;
CREATE or REPLACE TABLE AGENTS(
    AGENT_CODE CHAR(6),
    AGENT_NAME VARCHAR(40),
    WORKING_AREA CHAR(35),
    COMMISSION NUMBER(10,2) DEFAULT 0.05,
    PHONE_NO VARCHAR(15),
    COUNTRY VARCHAR(25)
);

INSERT INTO AGENTS
VALUES ( 123, 'ADITYA', 'ANALYTICS', 230.43, '7082285910', 'INDIA');

# What if u have one data missing what to write then, Just put your data row blank

INSERT INTO AGENTS
VALUES ( 123, 'ADITYA', 'ANALYTICS', 230.43, '', 'INDIA');

# Provide value just by their data
INSERT INTO AGENTS (AGENT_CODE, AGENT_NAME, COUNTRY)
VALUES ( 125, 'ADA', 'INDIA');
```

- Inserting Multiple Data in one go

```
INSERT INTO AGENTS  
VALUES ( 123, 'ADITYA', 'ANALYTICS', 230.43, '7082285910', 'INDIA'),  
(124, 'ADI', 'ANALYTICS', 230.3, '', 'INDIA'),  
(125, 'SINGH', 'ANALYTICS', 241.3, '', 'AUS');
```