

REDSHIFT SQL Syntax Cheat Sheet Rev1

| | Syntax |
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| Name of the database you are currently connected to | <code>select current_database();</code> |
| Create a new Table | <code>CREATE TABLE tablename (column1 datatype, column2 datatype, column3 datatype);</code> |
| Create a new table with existing data from another table | <code>CREATE TABLE tablename AS SELECT * from existing_table;</code> |
| Create a table like another table w/o copying data | <code>CREATE TABLE tablename LIKE existing_table;</code> |
| Drop database from Redshift Cluster | <code>drop database databasename;</code> |

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| List all databases in a Redshift Cluster | <pre>select oid as db_id, datname as db_name, dataallowconn from pg_database;</pre> |
| Drop a constraint using sql and then copy the constraint name. | <pre>select * from information_schema.table_constraints where table_name = 'tablename';</pre> |
| List external schemas in Redshift | <pre>SELECT * FROM svv_external_schemas;</pre> |
| Export Data from Redshift into a csv file | <pre>unload ('SELECT * from schemaname.tablename') TO 's3://bucketname/filename' iam_role 'arn-of-iam-role' CSV</pre> |
| Get DDL of a table in Redshift. | <pre>select * from admin.v_generate_tbl_ddl where schemaname='nameofschema' and tablename='nameoftable';</pre> |
| Create table to not accept null but provide a default value. | <pre>create table table1 (column1 datatype default 0 not null);</pre> |

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| Insert row into table | Insert into schemaname.tablename values (valcol1,valcol2,valcol3,valcol4,...); |
| Copy Data from File in s3 with IAM Role | copy schemaname.tablename from 's3://bucketname/filename' iam_role 'arn of iam role' DELIMITER ' ' ESCAPE; |
| Copy Data from File in s3 with permissions | copy schemaname.tablename from 's3://bucketname/filename' credentials 'aws_access_key_id=XXXXXX;aws_secret_access_key=XXXXX' DELIMITER ' ' ESCAPE; |
| Select a substring | select substring('hello',1,2) ; |
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