

DAY 3: CREATE A SCHEMA AND A DATABASE

The CREATE DATABASE and CREATE SCHEMA statements are used to create a database and a schema respectively. To create the table, the CREATE TABLE statement is used to add a table. SQL supports three types of tables: base, derived, and viewed. When a column is defined in a CREATE TABLE statement, the column name and data type must be included. The data type restricts the values that can be entered into that column, therefore improving consistency and data quality.

```
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No limit
Query Query History
1 CREATE DATABASE "Practicals"
2 WITH
3 OWNER = postgres
4 ENCODING = 'UTF8'
5 CONNECTION LIMIT = -1
6 IS_TEMPLATE = False;
7
8 CREATE SCHEMA "Geography"
9 AUTHORIZATION postgres;
10
11 CREATE TABLE "Geography".countries(
12 code VARCHAR(20), country_name VARCHAR(100), continent VARCHAR(25), region VARCHAR(100),
13 surface_area NUMERIC, indep_year INT, local_name VARCHAR(100), gov_form VARCHAR(100),
14 capital VARCHAR(50), cap_long FLOAT, cap_lat FLOAT
15 );
16
17 SELECT *
18 FROM "Geography".countries;
```

pgAdmin 4

File Object Tools Help

Object Explorer

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Data Output Messages Notifications

	code character varying	country_name character varying	continent character varying	region character varying	surface_area numeric	indep_year integer	local_name character varying
1	AFG	Afghanistan	Asia	Southern and Central Asia	652090	1919	Afghanistan/Afghanistan
2	NLD	Netherlands	Europe	Western Europe	41526	1581	Netherlands
3	ALB	Albania	Europe	Southern Europe	28748	1912	Shqipëria
4	DZA	Algeria	Africa	Northern Africa	2381740	1962	Al-Jaza'ir/Algerie
5	ASM	American Samoa	Oceania	Polynesia	199	[null]	Amerika Samoa
6	AND	Andorra	Europe	Southern Europe	468	1278	Andorra
7	AGO	Angola	Africa	Central Africa	1246700	1975	Angola
8	ATG	Antigua and Barbuda	North America	Caribbean	442	1981	Antigua and Barbuda
9	ARE	United Arab Emirates	Asia	Middle East	83600	1971	Al-Imarat al-'Arabiya al-
10	ARG	Argentina	South America	South America	2780400	1816	Argentina
11	ARM	Armenia	Asia	Middle East	29800	1991	Hajastan
12	ABW	Aruba	North America	Caribbean	193	[null]	Aruba
13	AUS	Australia	Oceania	Australia and New Zeala...	7741220	1901	Australia
14	AZE	Azerbaijan	Asia	Middle East	86600	1991	Azərbaycan
15	BHS	Bahamas	North America	Caribbean	13878	1973	The Bahamas
16	BHR	Bahrain	Asia	Middle East	694	1971	Al-Bahrayn
17	BGD	Bangladesh	Asia	Southern and Central Asia	143998	1971	Bangladesh

Total rows: 205 of 205 Query complete 00:00:00.103 Ln 10, Col 1

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