Section 1. Querying Data
PostgreSQL SELECT

dvdrental/postgres@PostgreSQL *

dvdrental/postgres@PostgreSQL ᐅ

Query Editor   Query History

```
1   --1) Using PostgreSQL SELECT statement to query data from one column example
2   SELECT first_name FROM customer;
```

Data Output   Explain   Messages   Notifications

	first_name character varying (45)
1	Jared
2	Mary
3	Patricia
4	Linda
5	Barbara
6	Elizabeth
7	Jennifer
8	Maria
9	Susan
10	Margaret

Dashboard   Properties   SQL   Statistics   Dependencies   Dependents   dvdrental/postgres@PostgreSQL *

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Query Editor   Query History

```
1   --2) Using PostgreSQL SELECT statement to query data from multiple columns example
2   SELECT
3       first_name,
4       last_name,
5       email
6   FROM
7       customer;
```

Data Output   Explain   Messages   Notifications

	first_name character varying (45)	last_name character varying (45)	email character varying (50)
1	Jared	Ely	jared.ely@sakilacustomer.org
2	Mary	Smith	mary.smith@sakilacustomer.org
3	Patricia	Johnson	patricia.johnson@sakilacustomer.org
4	Linda	Williams	linda.williams@sakilacustomer.org
5	Barbara	Jones	barbara.jones@sakilacustomer.org
6	Elizabeth	Brown	elizabeth.brown@sakilacustomer.org
7	Jennifer	Davis	jennifer.davis@sakilacustomer.org
8	Maria	Miller	maria.miller@sakilacustomer.org
9	Susan	Wilson	susan.wilson@sakilacustomer.org
10	Margaret	Moore	margaret.moore@sakilacustomer.org

✔ Successfully run. Total query runtime: 49 msec. 599 rows affected.

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Query Editor   Query History

```sql
1  --3) Using PostgreSQL SELECT statement to query data from all columns of a table example
2  SELECT * FROM customer;
```

Data Output   Explain   Messages   Notifications

	customer_id [PK] integer	store_id smallint	first_name character varying (45)	last_name character varying (45)	email character varying (50)	address_id smallint	activebool boolean	create_date date	last_u times
1	524	1	Jared	Ely	jared.ely@sakilacustomer.org	530	true	2006-02-14	201
2	1	1	Mary	Smith	mary.smith@sakilacustomer.org	5	true	2006-02-14	201
3	2	1	Patricia	Johnson	patricia.johnson@sakilacustomer.org	6	true	2006-02-14	201
4	3	1	Linda	Williams	linda.williams@sakilacustomer.org	7	true	2006-02-14	201
5	4	2	Barbara	Jones	barbara.jones@sakilacustomer.org	8	true	2006-02-14	201
6	5	1	Elizabeth	Brown	elizabeth.brown@sakilacustomer.org	9	true	2006-02-14	201
7	6	2	Jennifer	Davis	jennifer.davis@sakilacustomer.org	10	true	2006-02-14	201
8	7	1	Maria	Miller	maria.miller@sakilacustomer.org	11	true	2006-02-14	201
9	8	2	Susan	Wilson	susan.wilson@saki...				
10	9	2	Margaret	Moore	margaret.moore@s...				

✔ Successfully run. Total query runtime: 71 msec. 599 rows affected.

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Query Editor   Query History

```sql
1  --4) Using PostgreSQL SELECT statement with expressions example
2  SELECT
3     first_name || ' ' || last_name,
4     email
5  FROM
6     customer;
```

Data Output   Explain   Messages   Notifications

	?column? text 🔒	email character varying (50) 🔒
1	Jared Ely	jared.ely@sakilacustomer.org
2	Mary Smith	mary.smith@sakilacustomer.org
3	Patricia Johnson	patricia.johnson@sakilacustomer.org
4	Linda Williams	linda.williams@sakilacustomer.org
5	Barbara Jones	barbara.jones@sakilacustomer.org
6	Elizabeth Brown	elizabeth.brown@sakilacustomer.org
7	Jennifer Davis	jennifer.davis@sakilacustomer.org
8	Maria Miller	maria.miller@sakilacustomer.org
9	Susan Wilson	susan.wilson@sakilacustomer.org
10	Margaret Moore	margaret.moore@sakilacustomer.org

✔ Successfully run. Total query runtime: 58 msec. 599 rows affected.

No limit ⌄

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Query Editor   Query History

```
1    -- 5) Using PostgreSQL SELECT statement with expressions example
2    SELECT 5 * 3;
```

Data Output   Explain   Messages   Notifications

?column? integer 🔒
1   15

✔ Successfully run. Total query runtime: 49 msec. 1 rows affected.