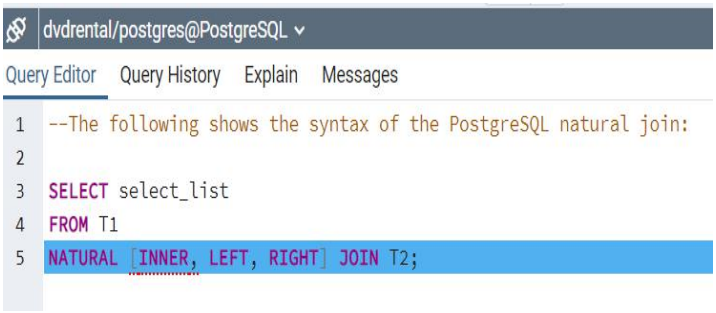
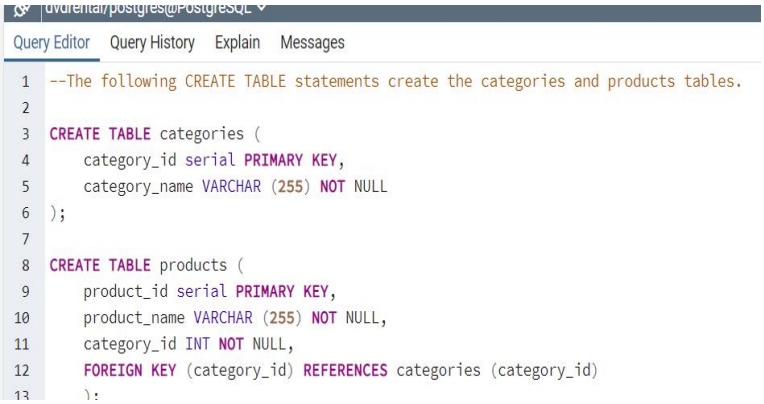
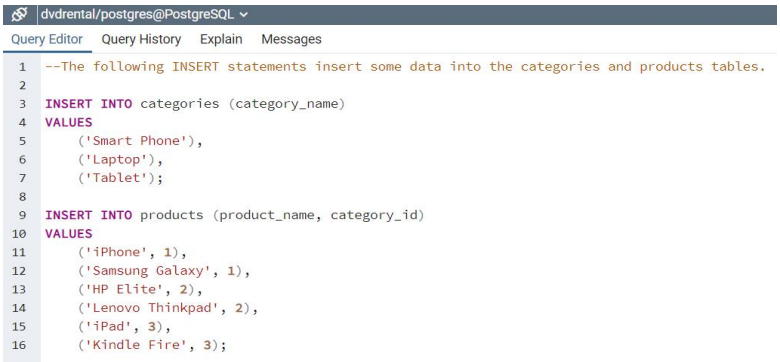
PostgreSQL NATURAL JOIN Explained By Examples







Query Editor | Query History | Explain | Messages

```
--The following statement uses the NATURAL JOIN clause to join the products table with the categories table:

SELECT * FROM products
NATURAL JOIN categories;
```

Data Output

	category_id integer	product_id integer	product_name character varying (255)	category_name character varying (255)
1	1	1	iPhone	Smart Phone
2	1	2	Samsung Galaxy	Smart Phone
3	2	3	HP Elite	Laptop
4	2	4	Lenovo Thinkpad	Laptop
5	3	5	IPad	Tablet
6	3	6	Kindle Fire	Tablet

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```
--The above statement is equivalent to the following statement that uses the INNER JOIN clause.

SELECT  * FROM products
INNER JOIN categories USING (category_id);
```

Data Output

	category_id integer	product_id integer	product_name character varying (255)	category_name character varying (255)
1	1	1	iPhone	Smart Phone
2	1	2	Samsung Galaxy	Smart Phone
3	2	3	HP Elite	Laptop
4	2	4	Lenovo Thinkpad	Laptop
5	3	5	iPad	Tablet
6	3	6	Kindle Fire	Tablet

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```
--Both tables have the same country_id column so you can use the NATURAL JOIN to join these tables as follows:

SELECT *
FROM city
NATURAL JOIN country;
```

Data Output

	country_id integer	last_update timestamp without time zone	city_id integer	city character varying (50)	country character varying (50)