

PostgreSQL UPDATE Join with Practical Examples

```
Query Editor  Query History  Explain  Notifications
1  --First, create a new table called product_segment that
2  --stores the product segments including grand luxury, luxury, and mass
3  CREATE TABLE product_segment (
4      id SERIAL PRIMARY KEY,
5      segment VARCHAR NOT NULL,
6      discount NUMERIC (4, 2)
7  );
8  INSERT INTO


Messages  Data Output
INSERT 0 3

Query returned successfully in 68 msec.
```

```
Query Editor  Query History  Explain  Notifications
1  CREATE TABLE product(
2      id SERIAL PRIMARY KEY,
3      name VARCHAR NOT NULL,
4      price NUMERIC(10,2),
5      net_price NUMERIC(10,2),
6      segment_id INT NOT NULL,
7      FOREIGN KEY(segment_id) REFERENCES product_segment(id)
8  );

Messages  Data Output
CREATE TABLE

Query returned successfully in 82 msec.
```

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Query Editor Query History Explain Notifications

```
1  INSERT INTO
2    product (name, price, segment_id)
3  VALUES
4    ('diam', 804.89, 1),
5    ('vestibulum aliquet', 228.55, 3),
6    ('lacinia erat', 366.45, 2),
7    ('scelerisque quam turpis', 145.33, 3),
8    ('justo lacinia', 551.77, 2),
9    ('ultrices mattis odio', 261.58, 3),
10   ('hendrerit', 519.62, 2),
11   ('in hac habitasse', 843.31, 1),
12   ('orci eget orci', 254.18, 3),
13   ('pellentesque', 427.78, 2),
14   ('sit amet nunc', 936.29, 1),
15   ('sed vestibulum', 910.34, 1),
16   ('turpis eget', 208.33, 3),
17   ('cursus vestibulum', 985.45, 1),
18   ('orci nullam', 841.26, 1),
19   ('est quam pharetra', 896.38, 1),
20   ('posuere', 575.74, 2),
21   ('ligula', 530.64, 2),
22   ('convallis', 892.43, 1),
23   ('nulla elit ac', 161.71, 3);
```

Messages Data Output

INSERT 0 20

Query returned successfully in 74 msec.

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Query Editor Query History Explain Notifications

```
1  --apply the UPDATE join statement as follows:
2
3  UPDATE product
4  SET net_price = price - price * discount
5  FROM product_segment
6  WHERE product.segment_id = product_segment.id;
```

Messages Data Output

UPDATE 20

Query returned successfully in 66 msec.

```

1  --SELECT statement retrieves the data of the product table to verify the update:
2
3  SELECT * FROM product;

```

Messages Data Output

	id [PK] integer	name character varying	price numeric (10,2)	net_price numeric (10,2)	segment_id integer
1	1	diam	804.89	764.65	1
2	2	vestibulum aliquet	228.55	205.70	3
3	3	lacinia erat	366.45	344.46	2
4	4	scelerisque quam turpis	145.33	130.80	3
5	5	justo lacinia	551.77	518.66	2
6	6	ultrices mattis odio	261.58	235.42	3
7	7	hendrerit	519.62	488.44	2
8	8	in hac habitasse	843.31	801.14	1
9	9	orci eget orci	254.18	228.76	3
10	10	pellentesque	427.78	402.11	2
11	11	sit amet nunc	936.29	889.48	1
12	12	sed vestibulum	910.34	864.82	1
13	13	turpis eget	208.33	187.50	3
14	14	cursus vestibulum	985.45	936.18	1
15	15	orci nullam	841.26	799.20	1
16	16	est quam pharetra	896.38	851.56	1
17	17	posuere	575.74	541.20	2