POSTGRESQL UPDATE JOIN

```sql
1  -- create a new table called product_segment that stores the product segments including grand luxury, luxury, and mass.
2  CREATE TABLE product_segment (
3      id SERIAL PRIMARY KEY,
4      segment VARCHAR NOT NULL,
5      discount NUMERIC (4, 2)
6  );
7
8
9  INSERT INTO
10     product_segment (segment, discount)
11 VALUES
12     ('Grand Luxury', 0.05),
13     ('Luxury', 0.06),
14     ('Mass', 0.1);
```

Messages   Data Output

```
INSERT 0 3

Query returned successfully in 807 msec.
```

```sql
1  -- create another table named product that stores the product data. The product table has the
2  --reign key column segment_id that links to the id of the segment table.
3  CREATE TABLE product(
4      id SERIAL PRIMARY KEY,
5      name VARCHAR NOT NULL,
6      price NUMERIC(10,2),
7      net_price NUMERIC(10,2),
8      segment_id INT NOT NULL,
9      FOREIGN KEY(segment_id) REFERENCES product_segment(id)
10 );
11 INSERT INTO
12     product (name, price, segment_id)
13 VALUES
14     ('diam', 804.89, 1),
15     ('vestibulum aliquet', 228.55, 3),
16     ('lacinia erat', 366.45, 2),
17     ('scelerisque quam turpis', 145.33, 3),
18     ('justo lacinia', 551.77, 2),
19     ('ultrices mattis odio', 261.58, 3),
20     ('hendrerit', 519.62, 2),
21     ('in hac habitasse', 843.31, 1),
22     ('orci eget orci', 254.18, 3),
23     ('pellentesque', 427.78, 2),
24     ('sit amet nunc', 936.29, 1),
25     ('sed vestibulum', 910.34, 1),
26     ('turpis eget', 208.33, 3),
27     ('cursus vestibulum', 985.45, 1),
28     ('orci nullam', 841.26, 1),
29     ('est quam pharetra', 896.38, 1),
30     ('posuere', 575.74, 2),
31     ('ligula', 530.64, 2),
32     ('convallis', 892.43, 1),
33     ('nulla elit ac', 161.71, 3);
34
```

Messages   Data Output

```
INSERT 0 20

Query returned successfully in 637 msec.
```

Query Editor   Query History   Explain   Notifications

```
1  --you have to calculate the net price of every product based on the discount of the product segment USING THIS QUERY
2  UPDATE product
3  SET net_price = price - price * discount
4  FROM product_segment
5  WHERE product.segment_id = product_segment.id;
```

Messages   Data Output

UPDATE 20

Query returned successfully in 108 msec.

Query Editor   Query History   Explain   Notifications

```
1  --USE  SELECT statement retrieves the data of the product table to verify the update
2  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	