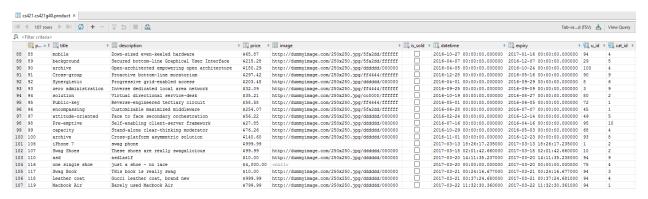
Q5 CODE

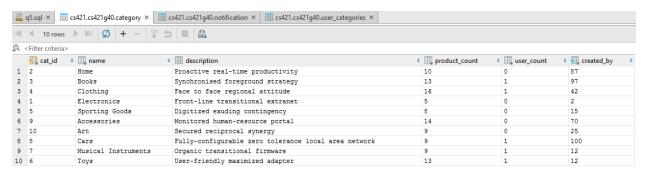
```
-- COMP 421: Submission 03
-- Question 05
-- Group 40
-- Increase the appropriate category count and create a notification for subscribers
of that category
CREATE OR REPLACE FUNCTION update category() RETURNS trigger AS $newProduct$
       UPDATE category SET product count = product count + 1 WHERE cat id =
NEW.cat id;
        INSERT INTO notification (content, type, p id) VALUES('new product', 1,
NEW.p_id);
       RETURN NEW;
   END:
$newProduct$ LANGUAGE plpgsql;
-- When a new product is inserted, call the procedure update category()
CREATE TRIGGER update cat AFTER INSERT ON product
    FOR EACH ROW EXECUTE PROCEDURE update category();
INSERT INTO product (title, description, price, is sold, datetime, expiry, u id,
cat id) VALUES ('the other shoe', 'comes with 2 laces', 421, false, CURRENT TIMESTAMP,
CURRENT TIMESTAMP, 75, 4);
```

BEFORE INSERT STATEMENT

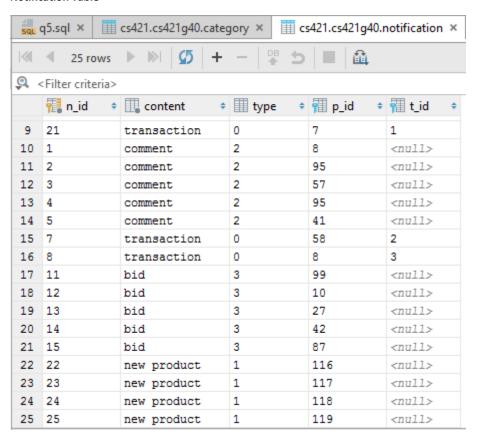
Product Table



Category Table

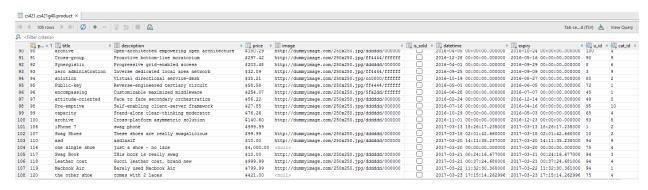


Notification Table

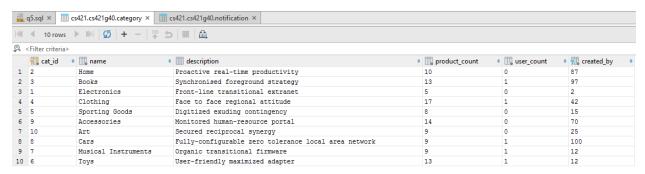


AFTER INSERT STATEMENT

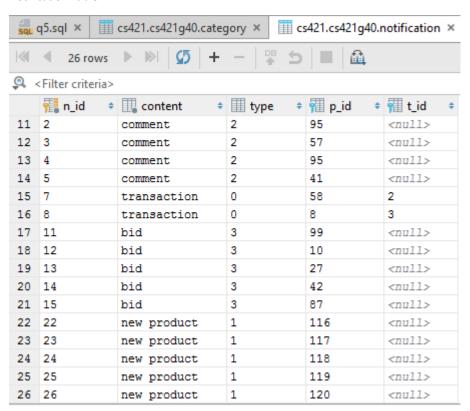
Product Table



Category Table



Notification Table



After a product insert, category count for appropriate category (4) increases by 1, and a new notification for that product is created.