1. Create view vw\_updatable\_products (use same query whatever I used in the training)

Try updating view with below query and see if the product table also gets updated.

Update query:

UPDATE updatable\_products SET unit\_price = unit\_price \* 1.1 WHERE units\_in\_stock < 10;

create view update\_products\_view as

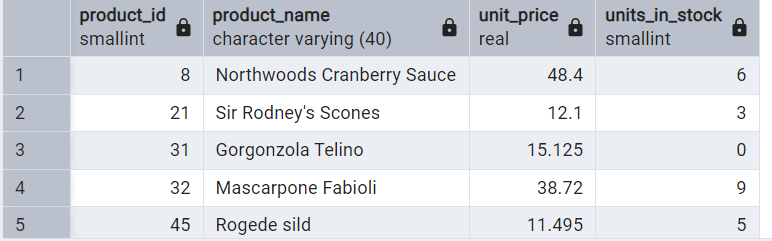
select product\_id,product\_name,unit\_price,units\_in\_stock

from products where discontinued =0;

UPDATE update\_products\_view SET unit\_price = unit\_price \* 1.1

where units\_in\_stock < 10;

select \* from update\_products\_view where units\_in\_stock < 10;



Begin;

update products

set unit\_price=unit\_price\*1.1 where category\_id=1;

select product\_id,product\_name,unit\_price,

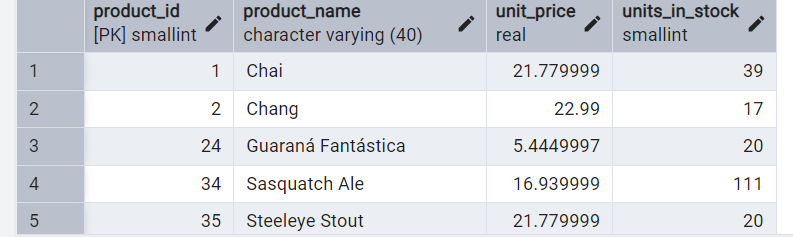
units\_in\_stock from products where category\_id=1;

Commit;

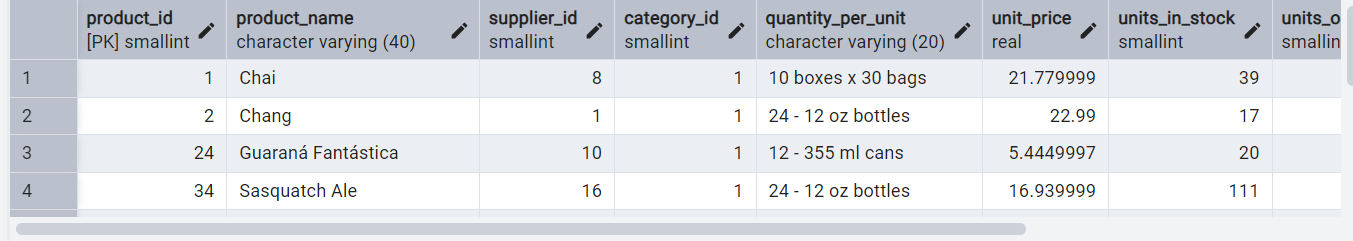
select \* from products where category\_id=1;

end;

Rollback;



select \* from products where category\_id=1;



2.     Transaction:

Update the product price for products by 10% in category id=1

Try COMMIT and ROLLBACK and observe what happens.

Begin;

update products

set unit\_price=unit\_price\*1.1

where category\_id=1;

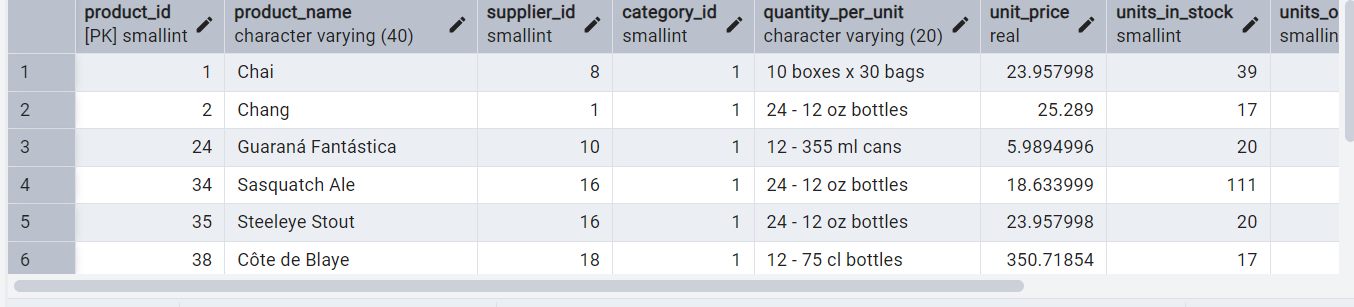
select product\_id,product\_name,unit\_price,

units\_in\_stock from products where category\_id=1;

Commit;



select \* from products where category\_id=1;



3.     Create a regular view which will have below details (Need to do joins):

Employee\_id,

Employee\_full\_name,

Title,

Territory\_id,

territory\_description,

region\_description

create view employee\_territory\_region as

select e.employee\_id,

e.last\_name || ' ' || e.first\_name as employee\_fullname,e.title,

et.territory\_id,t.territory\_description,r.region\_id,r.region\_description

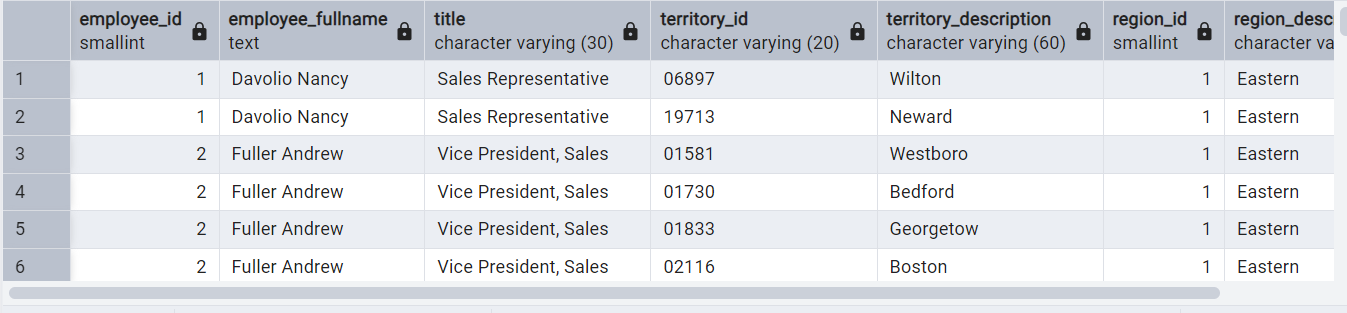
from employees e

inner join employee\_territories et on e.employee\_id=et.employee\_id

inner join territories t on et.territory\_id=t.territory\_id

inner join region r on r.region\_id=t.region\_id;

select \* from employee\_territory\_region



4.     Create a recursive CTE based on Employee Hierarchy

