Product table

(pid,pname,qty,price,mfgdate,expdate,type,cid)

Type -→ perishable/non perishable

All perishable products has expdate

1. Find sum of price for all products

Ans. select pname, (price \* qty) total

-> from product;

1. Find min and max price for every category

Ans. select cid, min(price) minimun, max(price) maximum

-> from product

-> group by cid;

1. Find sum of total amt, for every type of product (amt=qty\*price)

Ans. select cid, sum(price \* qty) amt

-> from product

-> group by cid;

1. Find how many products and what is sum of prices of all products for every category

Ans. select cid, count(pname) 'total products', sum(price) 'total price'

-> from product

-> group by cid;

1. Display pid, pname, cid, sum of prices for every category

Ans.

1. Display sum of prices for every category, if it is perishable product

Ans.select cid, sum(price)

-> from product

-> where type ='perishable'

-> group by cid

-> order by cid;

1. Display sum of amt(qty\*price) for every category if the qty > 45 and < 100,

Ans. select cid, sum(qty \* price)

-> from product

-> where qty between 46 and 99

-> group by cid;

1. Display number of products, sum of amt(price\*qty) products, which are manufactured

in year 2024, for every category, only if the number of products in the category are <3

arrange it in sorted order of sum of amt(price\*qty)

Ans. **Actual:**

select cid, count(cid),sum(price\*qty)

-> from product

-> where year(mfgdate)='2024'

-> group by cid

-> having count(cid)<=3

-> order by sum(price\*qty);

**Correct:**

select cid, count(cid),sum(price\*qty)

-> from product

-> where year(mfgdate)='2024'

-> group by cid

-> having count(cid)<=3

-> order by sum(price\*qty);

9. Find sum and count of all products manufactured in every year (to find year-→

year(mfgdate)

Ans. select sum(qty), count(pname), year(mfgdate)

-> from product

-> group by year(mfgdate);

10. Display pid, pname, type, count for every type

Ans.