Olap queries:

Olap 1:

Find average price of the clothes by grouping them according to their colour, size, and fabric type.

SELECT colour, size, fabric\_type, avg(price) as average\_price FROM best\_buy.clothing

group by colour, size, fabric\_type with rollup;

Olap 2:

Find the average age for people of diverse genders in retailer database.

SELECT gender, avg(age) FROM best\_buy.retailer

group by gender with rollup;

Olap 3:

Find the minimum price of electrical appliances based on their reviews.

SELECT reviews, min(price) FROM best\_buy.electrical\_appliances

group by reviews with rollup;

Olap 4:

Find average discount offered on footwears based on their colour and size.

SELECT colour, size, avg(discount) FROM best\_buy.footwear

group by colour, size with rollup;

Triggers:

Trigger 1:

Before insert trigger

Trigger to check if the age of a user if below 0 or not if it is less then 0 then set it as 0

delimiter //

create trigger age\_verify

before insert on best\_buy.user

for each row

begin

if new.age < 0 then

set new.age = 0;

end if;

end;

Trigger 2:

After insert trigger

Trigger to set a reminder if the order delivery date is entered null for any order

delimiter //

create trigger null\_order\_delivery\_date

after insert

on best\_buy.order

for each row

begin

if new.Order\_delivery is null then

insert into reminders(memberId, message)

values(new.Oid, concat('Hi ', new.memberId, ', please update order date.'));

end if;

end;