**Q1. write a update statement to update city as null for order ids : CA-2020-161389 , US-2021-156909**

**Ans1:-**

Update meesho

Set city = NULL

Where or\_id (CA-2020-161389 , US-2021-156909)

**Q2- write a query to find orders where city is null**

**ANS2:**

Select \* from meesho

Where city IS NULL; // for not NULL then use City IS NOT NULL

**3- write a query to get total profit, first order date and latest order date for each category**

**Ans3-**

Select category

Sum(profit) as total\_profit ,

Min(or\_date) as first\_or ,

Max (or\_date) as lastesr\_or ,

From meesho

Group by category

**Q4- write a query to find sub-categories where average profit is more than the half of the max profit in that sub-category**

Select subcategory --6

Avg(profit) , --3

Max(profit) --4

From meesho --1

Group by subcategory --2

Having Avg(profit) > ( Max(profit)/2); --5

**Q5.**

**create the exams table with below script;**

**create table exams (student\_id int, subject varchar(20), marks int);**

**insert into exams values (1, 'Chemistry',91), (1,'Physics', 91), (1,'Maths',92)**

**,(2,'Chemistry',80), (2,'Physics',90)**

**,(3,'Chemistry',80),(3,'Maths',80)**

**,(4,'Chemistry',71), (4,'Physics',54)**

**,(5, 'Chemistry',79);**

**Q 5(i)- write a query to find students who have got same marks in Physics and Chemistry.**

Select

Student\_id,

Count(\*),

Count(distinct marks)

From student

Where subject in (‘physics’ , ‘chemistry’)

Group by student\_id

Having count(\*) = 2 AND count(distinct marks) = 1;

**OR**

Select student\_id , marks,

Count(\*) as total

Where subject in(‘physics’ , ‘chemistry’)

Group by student\_id , marks, --nice approach

Having count(\*) = 2

**OR**

**- -USING JOIN**

select e1.student\_id

from exams e1

inner join exams e2 on e1.student\_id = e2.student\_id

AND e1.subject = 'Chemistry'

AND e2.subject = 'Physics'

AND e1.marks = e2.marks;

**Q6- write a query to find total number of products in each category.**

**Ans6:-**

Select count(\*) as total\_product

From meesho

Group by category

**Q7- write a query to find top 5 sub categories in west region by total quantity sold**

**Ans7:-**

Select top 5

Subcategory,

sum(qnty) as total\_qnt,

From meesho

Where region = “west”

Group by subcategory

Order by desc

**8- write a query to find total sales for each region and ship mode combination for orders in year 2020.**

**Ans8:-**

Select region , shipmode

Sum(sales)

Where year(or\_date) = 2020

Group by region, shipmode