Extra Topic (Stored Procedure)

Query1: This query will merge the dataset of farmer's current and past season's crop state wise.

CREATE PROCEDURE `statewise\_farmer\_detail`(IN current\_cropID VARCHAR(10),

IN previous\_cropID VARCHAR(10),IN state\_ VARCHAR(25))

BEGIN

SELECT farmer.First\_name, current\_season\_crop.crop\_ID as current\_crop\_ID,

previous\_season\_crop.crop\_ID as previous\_crop\_ID,current\_season\_crop.Expected\_production, previous\_season\_crop.production as produced\_crop

FROM ((farmer INNER JOIN current\_season\_crop ON farmer.F\_ID =

current\_season\_crop.F\_ID) INNER JOIN previous\_season\_crop ON farmer.F\_ID =

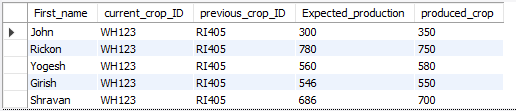
previous\_season\_crop.F\_ID) WHERE current\_season\_crop.crop\_ID= current\_cropID

AND previous\_season\_crop.crop\_ID= previous\_cropID AND state=state\_;

END

CALL statewise\_farmer\_detail ('gujarat')

Output:



Query2: This query will give the crop buyer detail with their experience status based on their ratings and total deals done.

CREATE PROCEDURE `Experienced\_crop\_buyer`(IN state\_ VARCHAR(25), IN District\_ VARCHAR(25))

BEGIN

SELECT CB\_ID, First\_Name,contact\_No, district,Ratings,Total\_deals\_done,

CASE WHEN Total\_deals\_done>=500 THEN 'experienced'

WHEN Total\_deals\_done>=300 AND Total\_deals\_done<500 THEN 'quite experienced'

ELSE 'not\_experienced'

END AS experience\_status FROM crop\_buyer

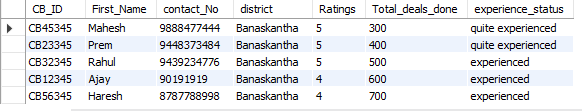
WHERE state='gujarat' AND crop\_buyer.CB\_ID= ANY (SELECT crop\_buyer.CB\_ID FROM

crop\_buyer WHERE Total\_deals\_done>200) AND state=state\_ AND district=district\_

ORDER BY(Total\_deals\_done);

END

Output:



Query3: This query will give average price and average stalk available per fertilizer dealer per state.

CREATE PROCEDURE `fertilizer\_detail`(IN state\_ VARCHAR(25),

IN Fertilizer\_ID\_ VARCHAR(10))

BEGIN

SELECT AVG(fertilizer\_availability.Price) As Avg\_price,

AVG(Available\_stock) As Avg\_available\_stock

FROM fertilizer\_availability, fertilizer\_dealer, fertilizer

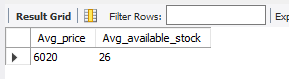
WHERE fertilizer.Fertilizer\_ID= fertilizer\_availability.Fertilizer\_ID=Fertilizer\_ID\_

AND Fertilizer\_dealer.state=state\_;

END

CALL fertilizer\_detail('gujarat','FE1232')

Output:



Query4: This query will give list of top fertilizer dealer in particular state on the basis of quantity of fertilizer they have sold.

CREATE PROCEDURE `top\_fertilizer\_dealers`(IN State\_ VARCHAR(25))

BEGIN

SELECT fertilizer\_dealer.Fd\_ID, Contact\_No, First\_name, District

FROM fertilizer\_dealer,fertilizer\_deal

WHERE fertilizer\_deal.Fertilizer\_ID='FE1232' AND

EXISTS (SELECT Quantity\_of\_Fertilizer FROM fertilizer\_deal WHERE

Quantity\_of\_Fertilizer>190 ) AND fertilizer\_dealer.state=state\_

AND fertilizer\_dealer.Fd\_ID= fertilizer\_deal.Fd\_ID

ORDER BY (Amount\_paid) ASC;

END

CALL top\_fertilizer\_dealers('gujarat')

