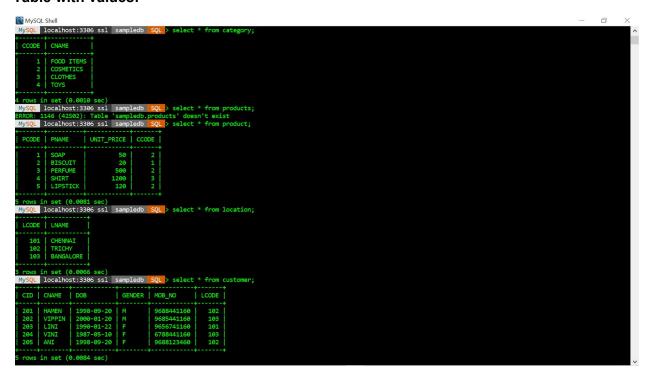# SQL Concepts

Prabhakar

1. Assuming you are ready with the ER Model (from Morning session Assignment), transform it into a Database schema. Create tables keeping up good practices and send me the create scripts you've written.

- The script file contains all the creating database, table and inserting queries.

Table with values:

2. Write a query to retrieve the most sold product per day in a specific location (take any location) in the last week.

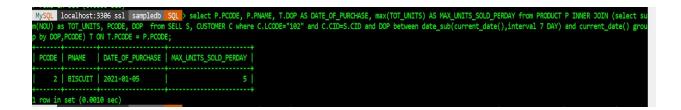- Most sold products in a location (Trichy - 102) in last week.

Query:

select P.PCODE, P.PNAME, T.DOP AS DATE_OF_PURCHASE, max(TOT_UNITS) AS MAX_UNITS_SOLD_PERDAY from PRODUCT P INNER JOIN (select sum(NOU) as TOT_UNITS, PCODE, DOP from SELL S, CUSTOMER C where C.LCODE="102" and C.CID=S.CID and DOP between date_sub(current_date(),interval 7 DAY) and current_date() group by DOP,PCODE) T ON T.PCODE = P.PCODE;

3. Write a query to list all the sales persons details along with the count of products sold by them (if any) till current date.

Query:

SELECT SE.*, IFNULL(T.CNT, 0) AS NO_OF_PRODUCT_SOLD FROM SALES_EXECUTIVE SE LEFT JOIN
(SELECT SID, COUNT(DISTINCT PCODE) AS CNT FROM SELL S GROUP BY SID) T
ON T.SID = SE.SID;

Note: All the queries are in the script file that i have attached.