ASSIGNMENT (View)

1) A database is being constructed for storing sales information system which store the information of Client. The client have it own unique client number, client name, client addresses, city, address, pin code, state and total balance to be required to paid.

   Consider the following schema:

   Client (Client_ID, Client_Name, Address, City, Pin, State, Bal_Due)

   Execute the following queries:

   a) Create a View called Client_View1 having all data of Client table.
   b) Create a view called Client_vw2 having Client_ID , city and Bal_Due attributes of client table.
   c) Create a view called Client_vw3 with renaming Client_ID as CID , Client_Name as cname and Address as Addr of client table.
   d) Using Client_view1, print client_name and Balance of Client whose ID is 'cn01001'.
   e) Insert a row into Client_vw2 ('cn02003', 'alld', 5000).
   f) Modify view Client_vw2 such that bal_due of Client_ID CN01004 now become 1000.
   g) Delete row from view client_vw2 where Client_ID='CN02003'.
   h) Delete view client_vw3 from memory.
   i) Consider another table Client2 (ClientID, Phone). Create a view client_vw4 which has clientID, Client_name, bal_due and phone. Use both The tables Client and Client2.

2) A database is being constructed for storing **sales information system**. The customer who buy the item or order the item have it own unique customer id, customer name, customer city, grade and salesman id of those salesman from which they buy the item. Each customer order is to buy item from the salesman. In the order, it has unique sales order number, sales order date, customer id, salesman id and purchase amount to be paid. The elistsalesman have salesman id, name, city and commission which shows the personal details of all salesman.

   Consider the following schema:

   CUSTOMER (c_id, c_name, city, grade, s_id)

   SALESMAN (s_id, name, city, commission)

   ORDERS (o_no, purchase_amt, o_date, c_id, s_id)

   ELITSALESMAN (s_id, name, city, commission)

a) Create a view for those salesmen who belong to the city ‘New York’.
b) Create a view for all salesmen with columns salesman_id, name and city.
c) Find the salesmen of the city New York who achieved the commission more than 13%.
d) Create a view to getting a count of how many customers we have at each level of a grade.
e) Create a view to keeping track the number of customers ordering, number of salesmen attached, average amount of orders and the total amount of orders in a day.
f) Create a view that shows for each order the salesman and customer by name.
g) Create a view that finds the salesman who has the customer with the highest order of a day.
h) Create a view that finds the salesman who has the customer with the highest order at least 3 times on a day.
i) Create a view that shows all of the customers who have the highest grade.
j) Create a view that shows the number of the salesman in each city.
k) Create a view that shows the average and total orders for each salesman after his or her name. (Assume all names are unique)
l) Create a view that shows each salesman with more than one customers.
m) Create a view that shows all matches of customers with salesman such that at least one customer in the city of customer served by a salesman in the city of the salesman.
n) Create a view that shows the number of orders in each day
o) Create a view that finds the salesmen who issued orders on October 10th, 2012.
p) Create a view that finds the salesmen who issued orders on either August 17th, 2012 or October 10th, 2012.