Module 4-Introduction to DBMS(Assessment)

- **Write SQL query to solve the problem given below**

Consider a database containing two tables named as Customer and Salesman

For this you need to create a Customer table

In Customer table attributes are customer id, customer name, city, grade and salesman id
Eg:

Table : Customer

customer_id	cust_name	city	grade	salesman_id
3002	Nick Rimando	New York	100	5001
3007	Brad Davis	New York	200	5001
3005	Graham Zusi	California	200	5002
3008	Julian Green	London	300	5002
3004	Fabian Johnson	Paris	300	5006
3009	Geoff Cameron	Berlin	100	5003
3003	Jozy Altidor	Moscow	200	5007
3001	Brad Guzan	London		5005

In Salesman table attributes will be salesman id, name, city and commission
Eg:

table : salesman

salesman_id	name	city	commission
5001	James Hoog	New York	0.15
5002	Nail Knite	Paris	0.13
5005	Pit Alex	London	0.11
5006	Mc Lyon	Paris	0.14
5007	Paul Adam	Rome	0.13
5003	Lauson Hen	San Jose	0.12

From the above given tables write a SQL query to find the salesperson(s) and the customer(s) represented here. Return the Customer Name, City, Salesman, commission.

NOTE : Make sure you have to use join concept to solve the query
Make sure to make your code clean kneat

- **Create Customer Table**

  CREATE TABLE customer (

  customer_id INT PRIMARY KEY,

  cust_name VARCHAR(50),

  city VARCHAR(50),

  grade INT,

  salesman_id INT

  );

- **Create Salesman Table**

  CREATE TABLE salesman (

  salesman_id INT PRIMARY KEY,

  name VARCHAR(50),

  city VARCHAR(50),

  commission DECIMAL(4,2)

  );

- **Insert Data into Salesman**

  INSERT INTO salesman VALUES

  (5001, 'James Hoog', 'New York', 0.15),

  (5002, 'Nail Knite', 'Paris', 0.13),

  (5005, 'Pit Alex', 'London', 0.11),

  (5006, 'Mc Lyon', 'Paris', 0.14),

  (5007, 'Paul Adam', 'Rome', 0.13),

  (5003, 'Lauson Hen', 'San Jose', 0.12);

- **Insert Data into Customer**

  INSERT INTO customer VALUES

  (3002, 'Nick Rimando', 'New York', 100, 5001),

  (3007, 'Brad Davis', 'New York', 200, 5001),

  (3005, 'Graham Zusi', 'California', 200, 5002),

  (3008, 'Julian Green', 'London', 300, 5002),

  (3004, 'Fabian Johnson', 'Paris', 300, 5006),

  (3009, 'Geoff Cameron', 'Berlin', 100, 5003),

  (3003, 'Jozy Altidor', 'Moscow', 200, 5007),

  (3001, 'Brad Guzan', 'London', NULL, 5005);

- **Final Required JOIN Query**

  SELECT

    c.cust_name AS customer_name,

    c.city AS customer_city,

    s.name AS salesman_name,

    s.commission

  FROM customer c

  INNER JOIN salesman s

  ON c.salesman_id = s.salesman_id;