

Create Tables as follows by choosing appropriate data type and set the necessary primary and foreign key constraints:

*Sample 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       |
| 5003        | Lauson Hen |          | 0.12       |
| 5007        | Paul Adam  | Rome     | 0.13       |

*Sample table : orders*

| ord_no | purch_amt | ord_date   | customer_id | salesman_id |
|--------|-----------|------------|-------------|-------------|
| -----  | -----     | -----      | -----       | -----       |
| 70001  | 150.5     | 2012-10-05 | 3005        | 5002        |
| 70009  | 270.65    | 2012-09-10 | 3001        | 5005        |
| 70002  | 65.26     | 2012-10-05 | 3002        | 5001        |
| 70004  | 110.5     | 2012-08-17 | 3009        | 5003        |
| 70007  | 948.5     | 2012-09-10 | 3005        | 5002        |
| 70005  | 2400.6    | 2012-07-27 | 3007        | 5001        |
| 70008  | 5760      | 2012-09-10 | 3002        | 5001        |
| 70010  | 1983.4    | 2012-10-10 | 3004        | 5006        |
| 70003  | 2480.4    | 2012-10-10 | 3009        | 5003        |
| 70012  | 250.45    | 2012-06-27 | 3008        | 5002        |
| 70011  | 75.29     | 2012-08-17 | 3003        | 5007        |
| 70013  | 3045.6    | 2012-04-25 | 3002        | 5001        |

A). Write the following queries in SQL

- i) Write a SQL statement to display names and city of salesman, who belongs to the city of Paris
- ii) Write a SQL query to display the order number followed by order date and the purchase amount for each order which will be delivered by the salesman who is holding the ID 5001.
- iii) Write a SQL statement to make a list with order no, purchase amount, customer name and their cities for those orders which order amount between 500 and 2000.
- iv) Write a SQL statement to find the details of a order i.e. order number, order date, amount of order, which customer gives the order and which salesman works for that customer and how much commission he gets for an order

v) Write an SQL query that returns the employees (name only) in those getting commission is more than 12% ordered by decreasing salary.

B). Increase the commission based on the following conditions: If purchase amount is more than 5000, increase commission by 20% If purchase amount is greater than 3000 years, increase commission by 10% Otherwise 5%