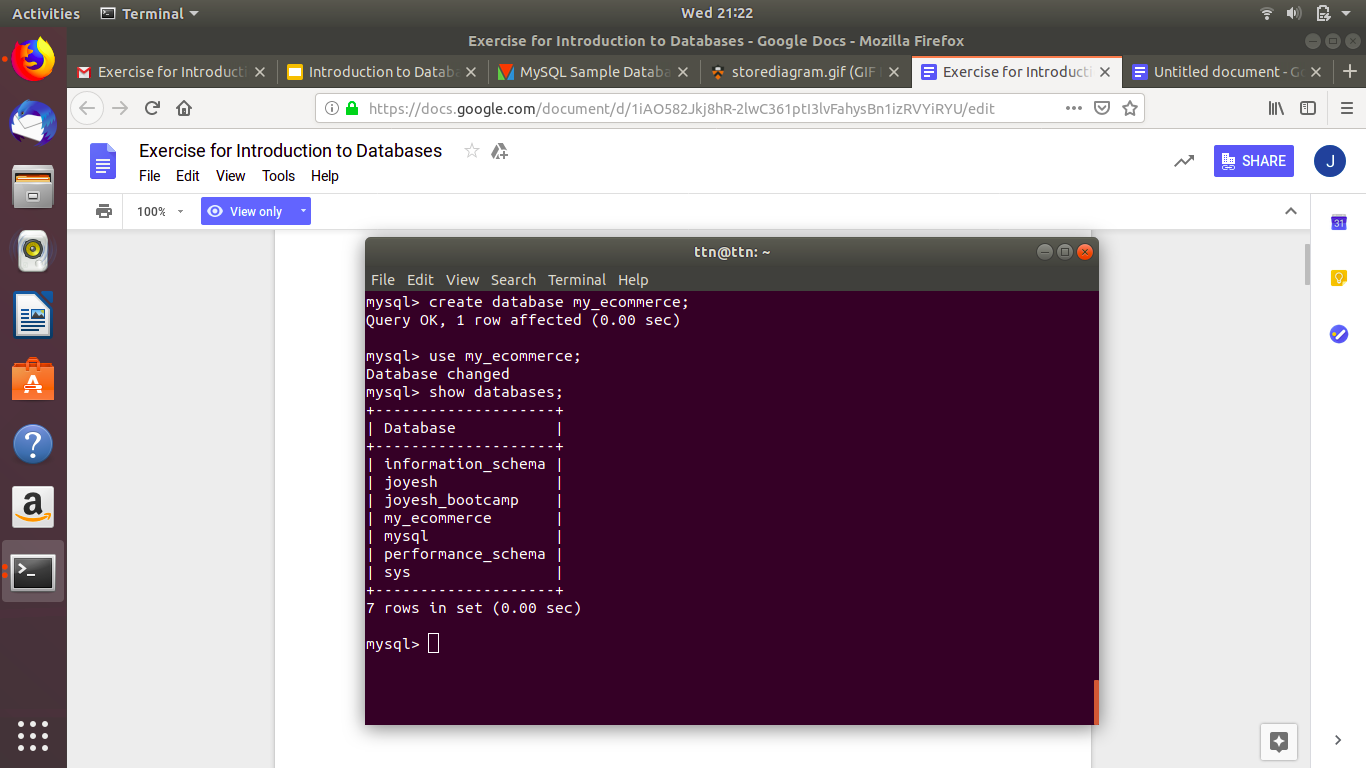
**Exercise for introduction to databases**

**Problem Statement: There can be multiple customers, who can place multiple orders on the site. Now a sales person can handle these orders will distribute into multiple sales persons (One order will be assign to one salesperson only). So a sales person can have multiple orders of multiple customers.**

**1. Create Database**



**2. Design Schema**

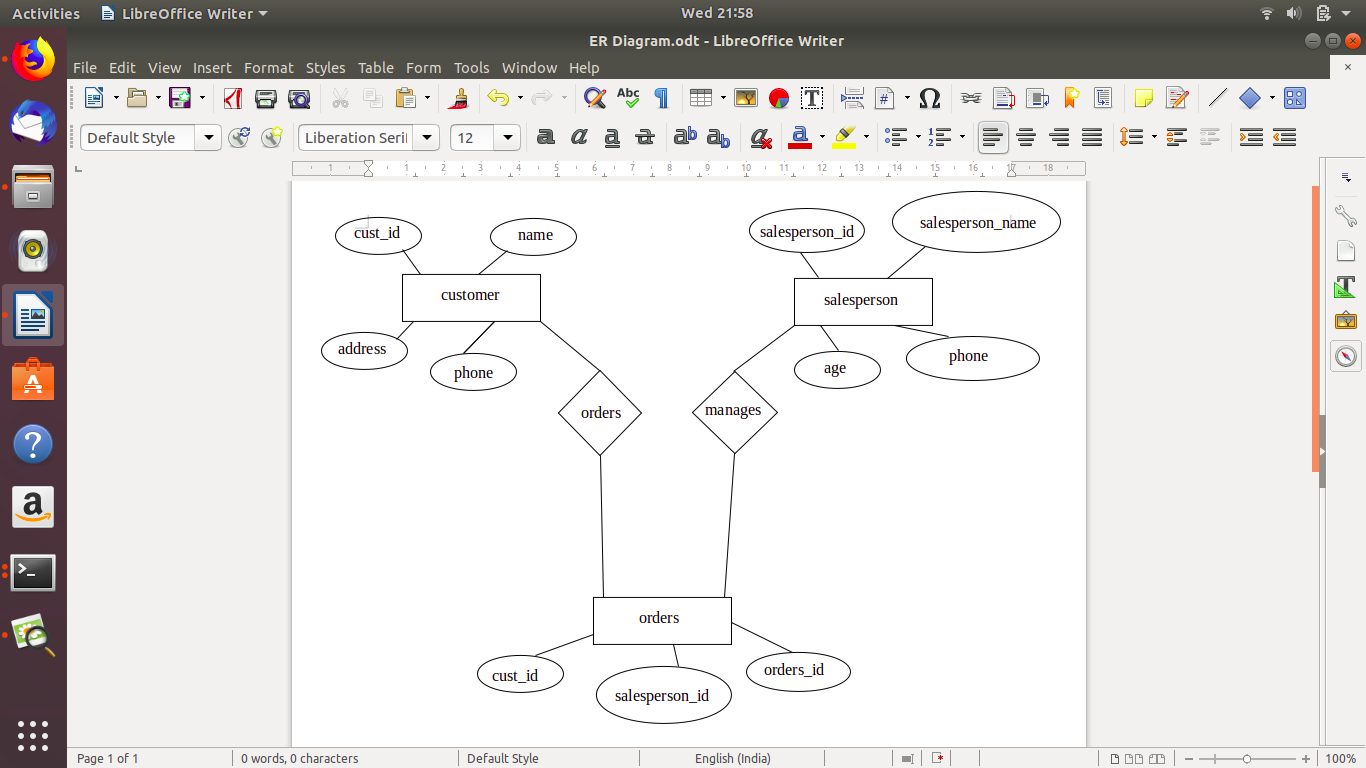
Keys for the tables :

customer primary key : cust\_id

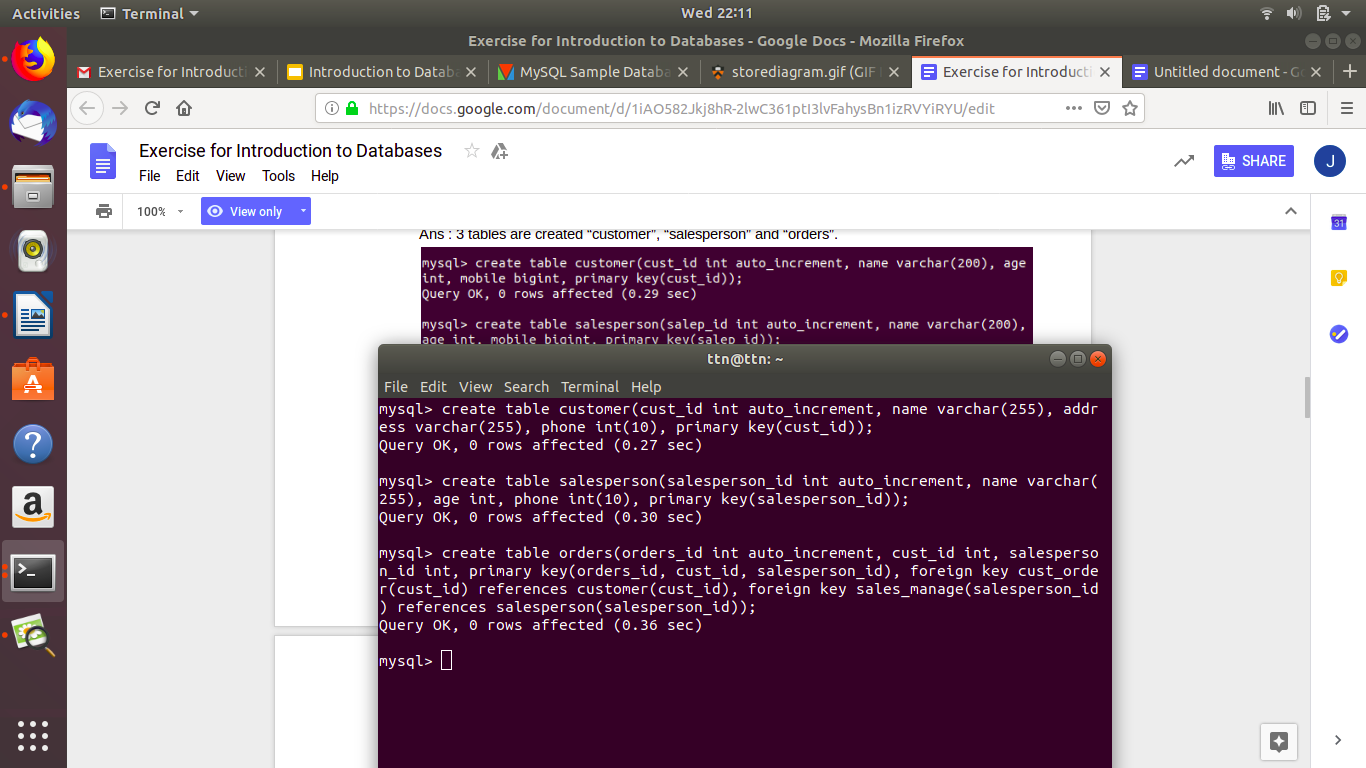
salesperson primary key : salesperson\_id

orders composite key : order\_id+cust\_id+salesperson\_id

ER Diagram :

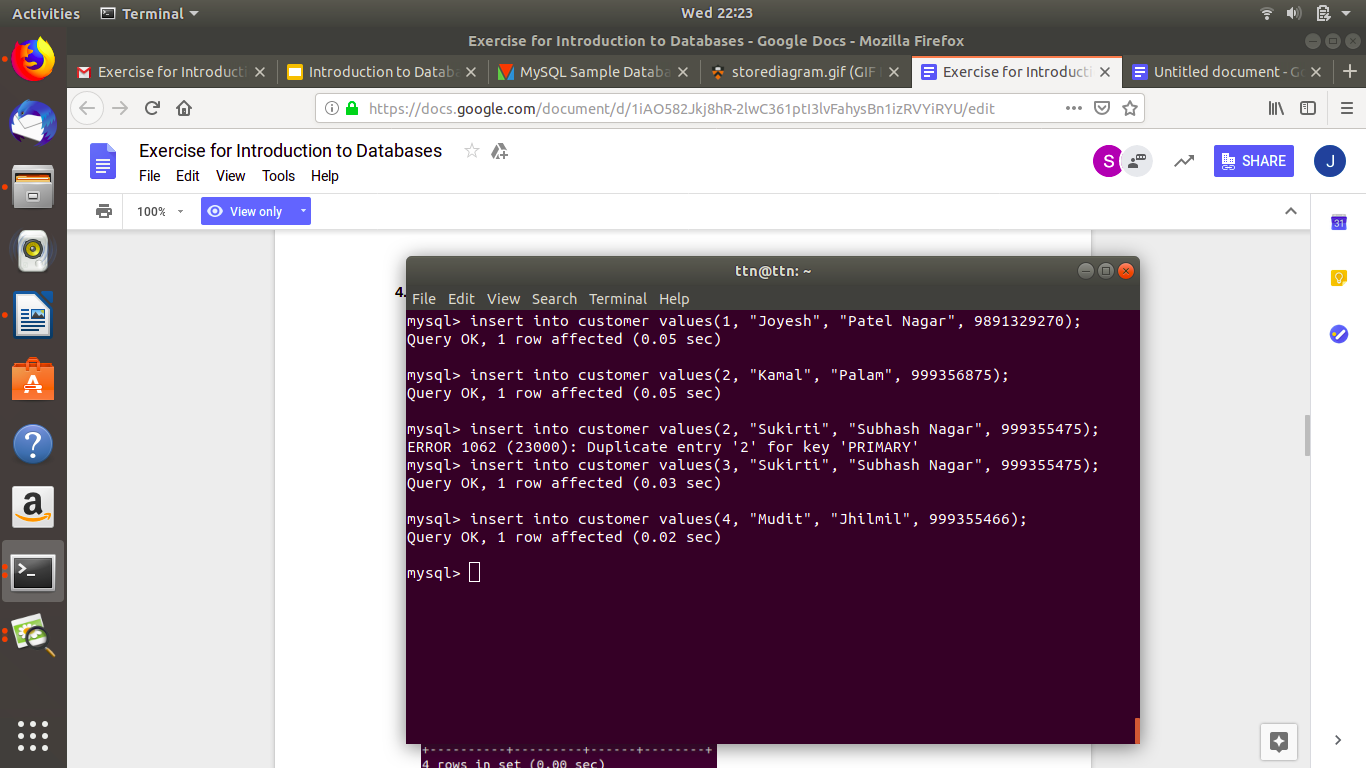


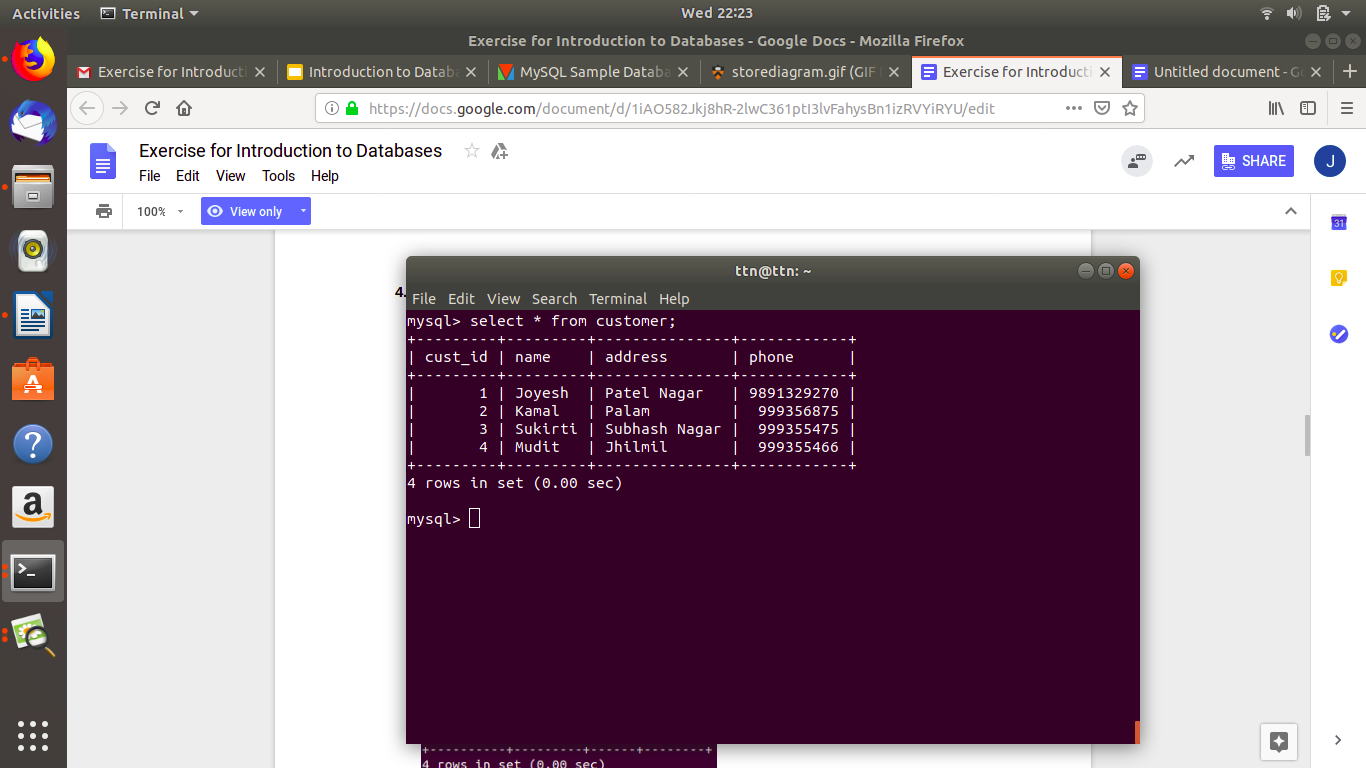
**3. Create tables**



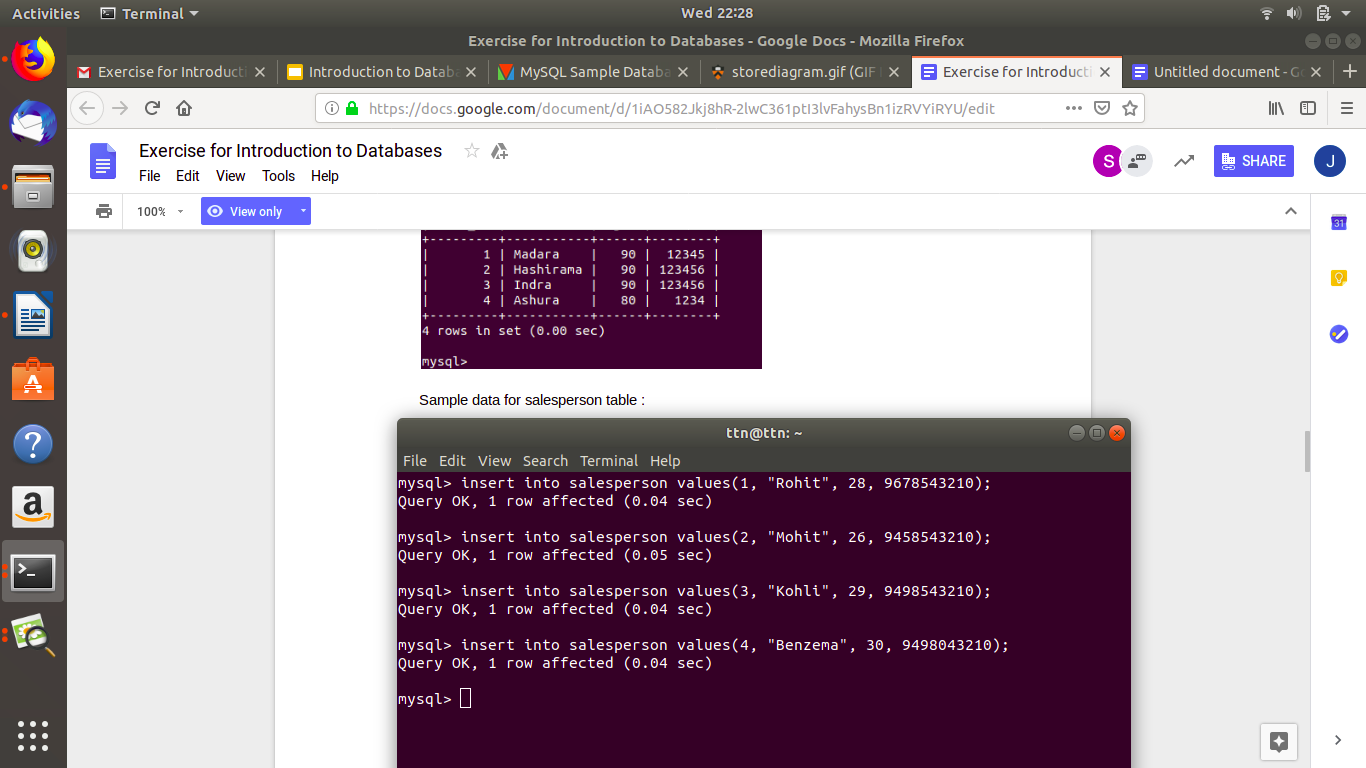
**4. Insert sample data**

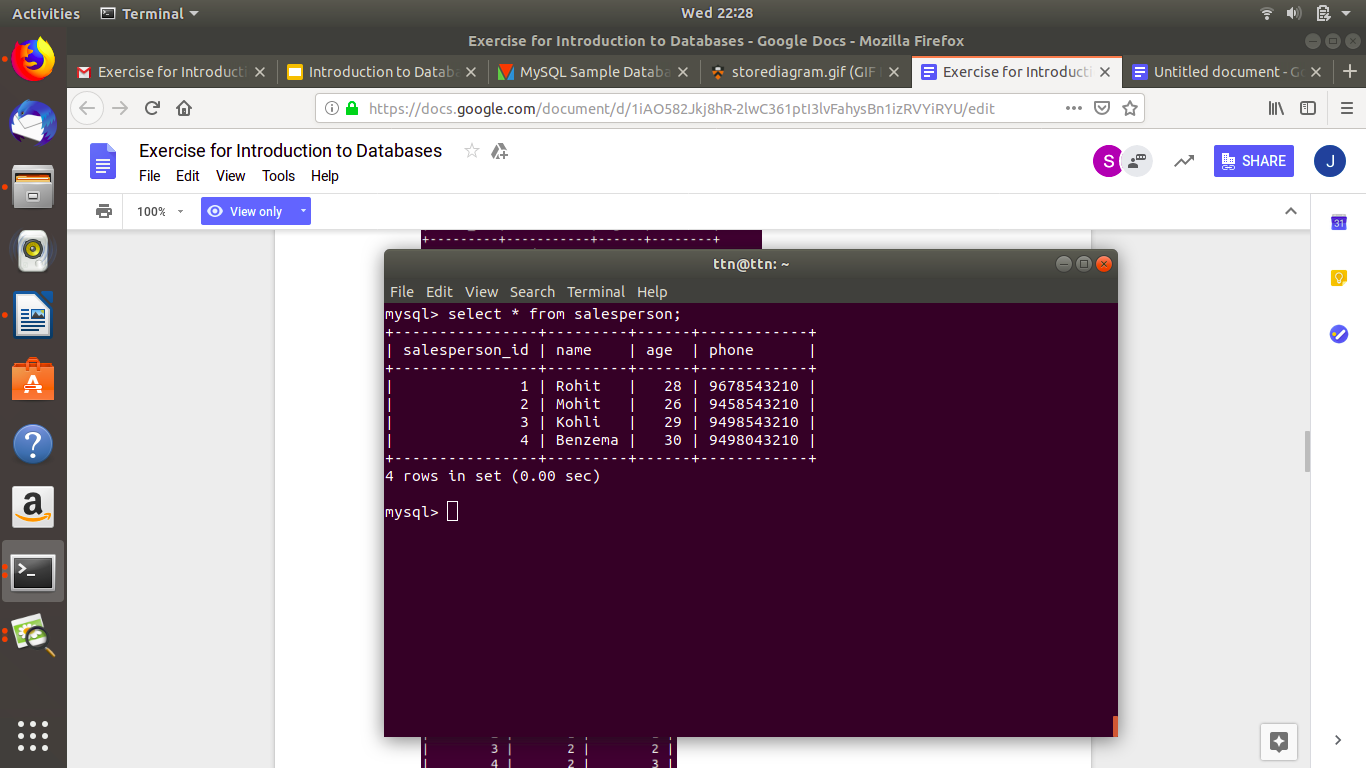
Customer table :



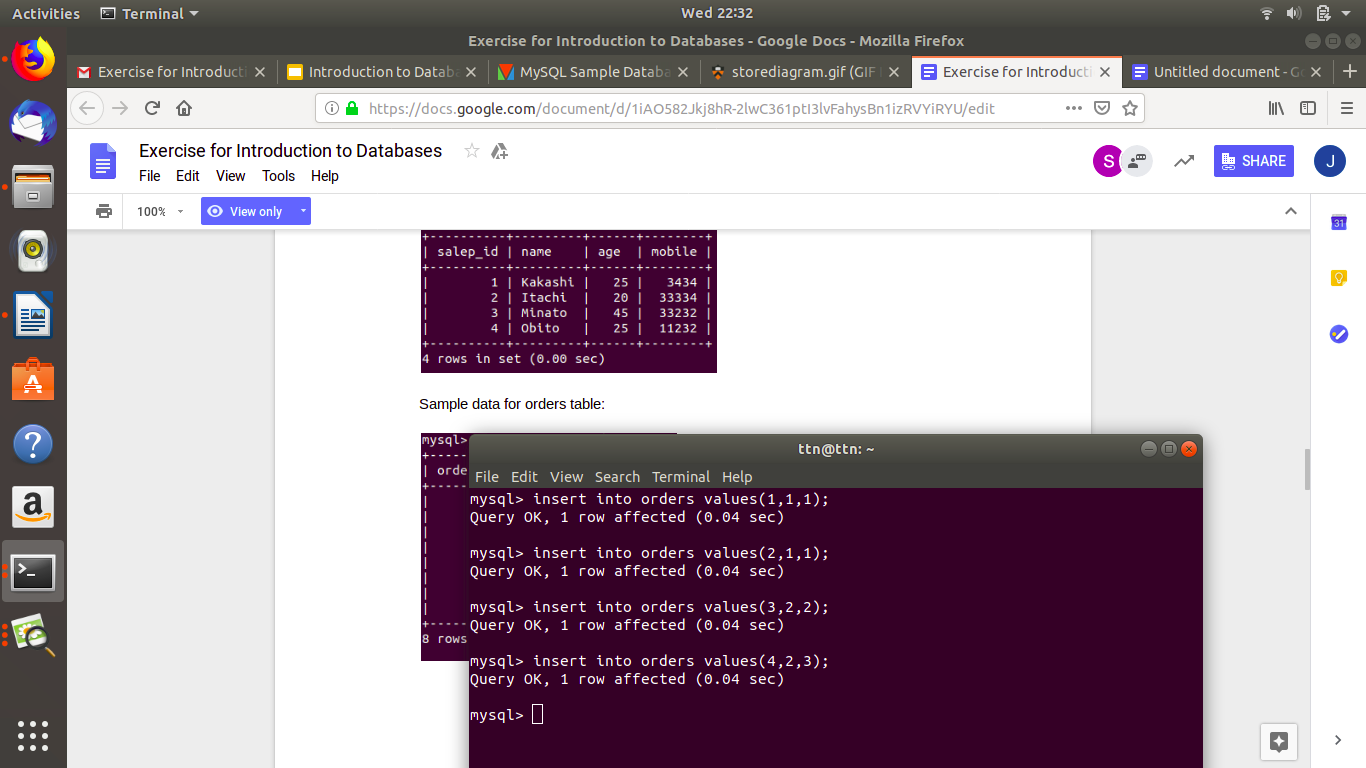


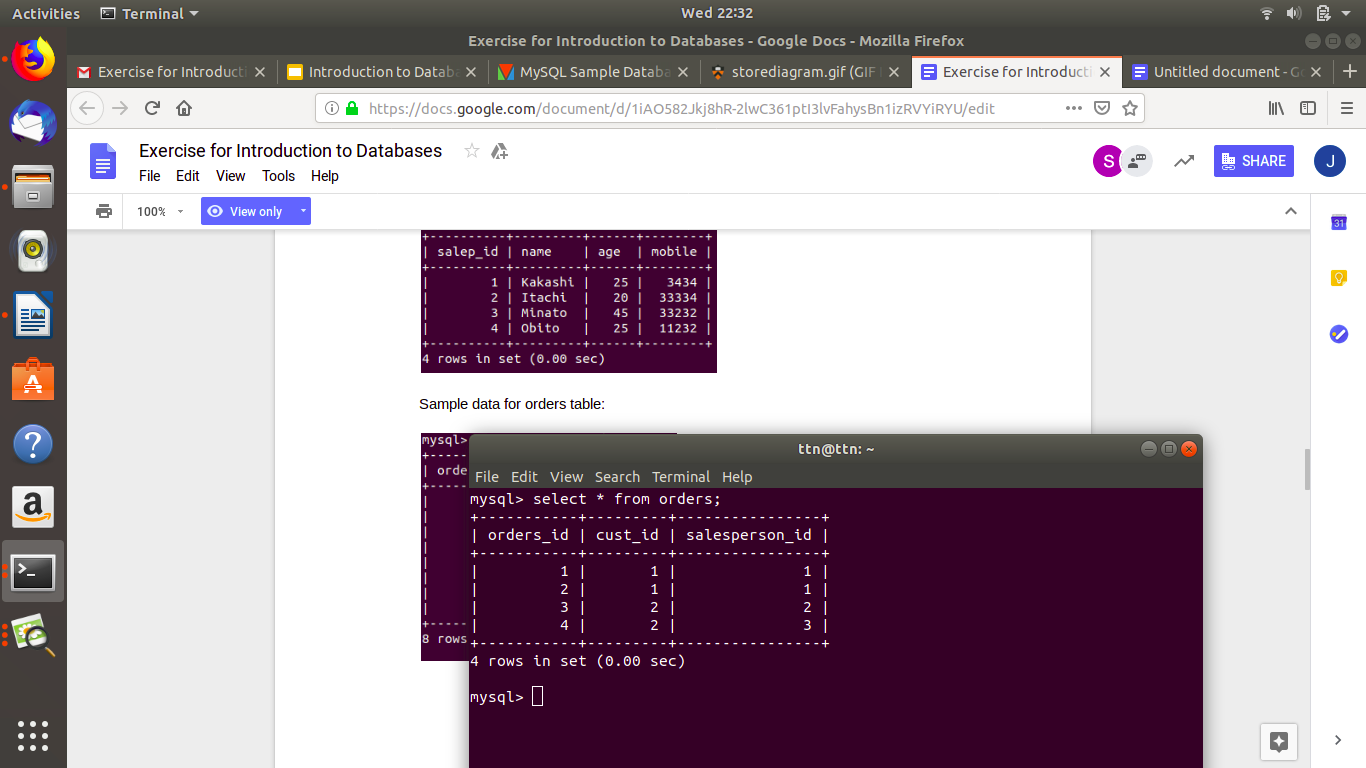
Salesperson table :





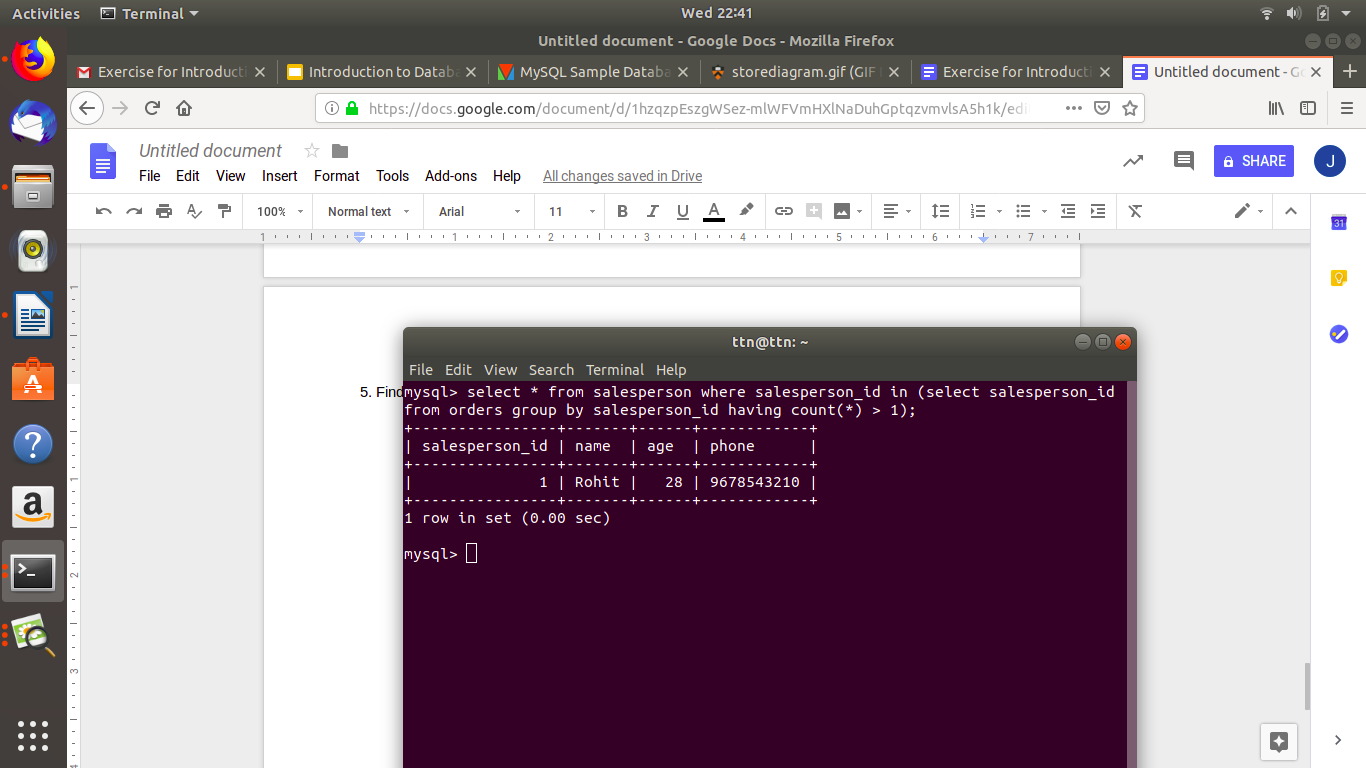
Orders Table :



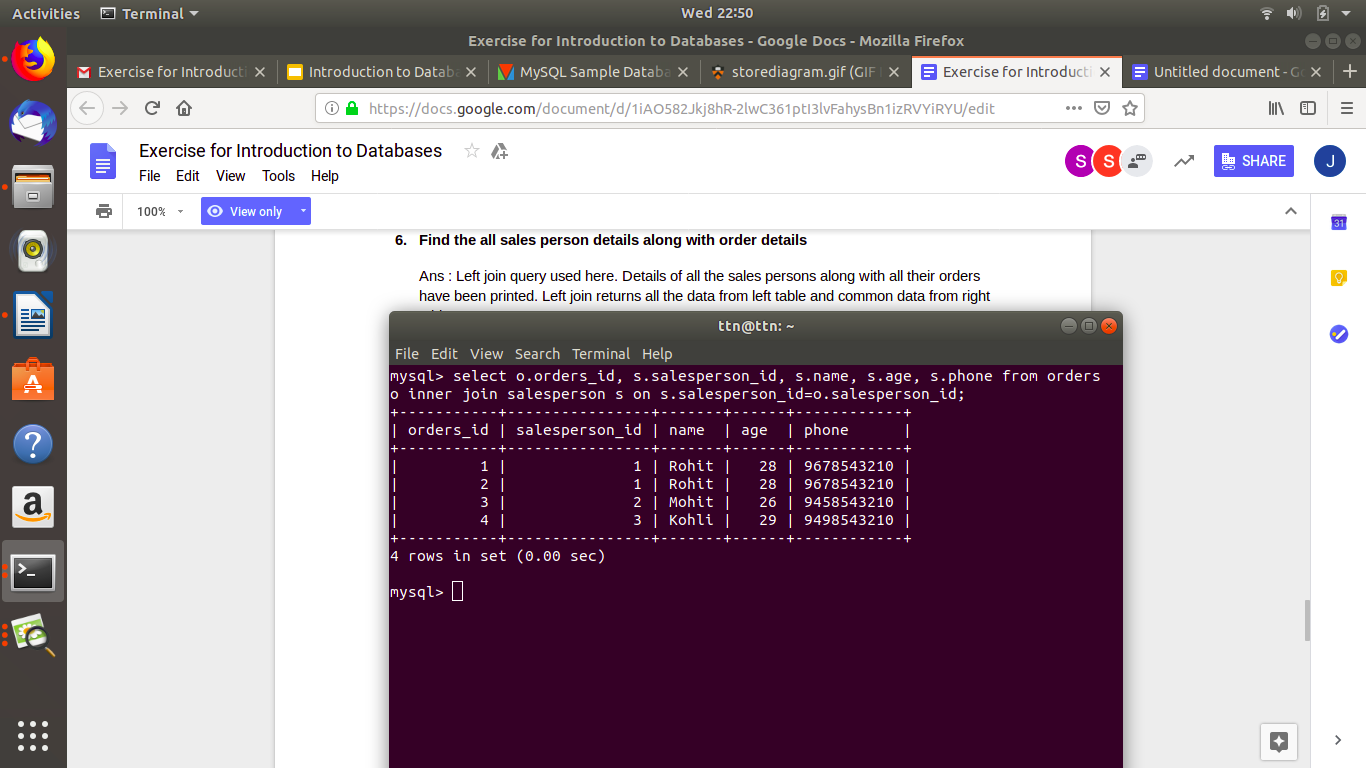


**5. Find the sales person who has multiple orders.**

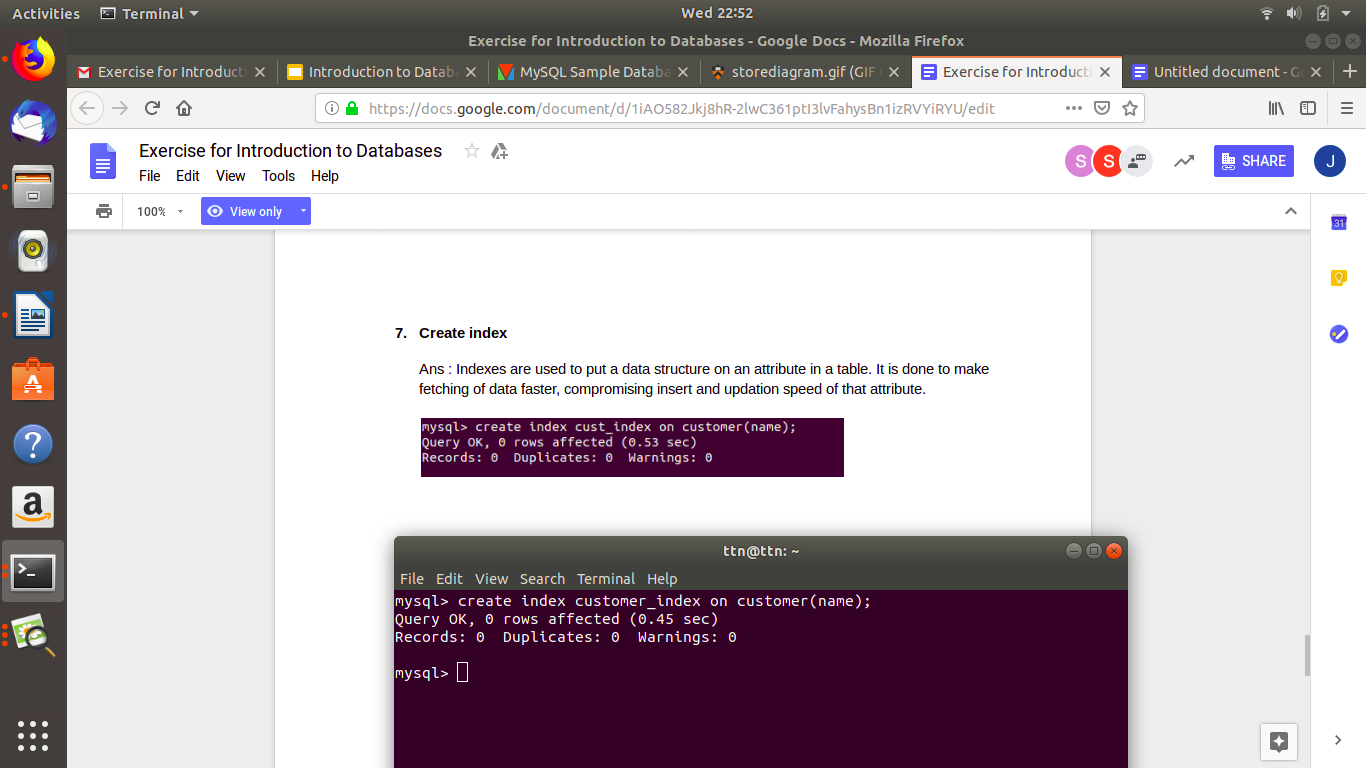
In this problem nested query is being used which return only one salesperson because this salesperson is the only one who manages more than one order.



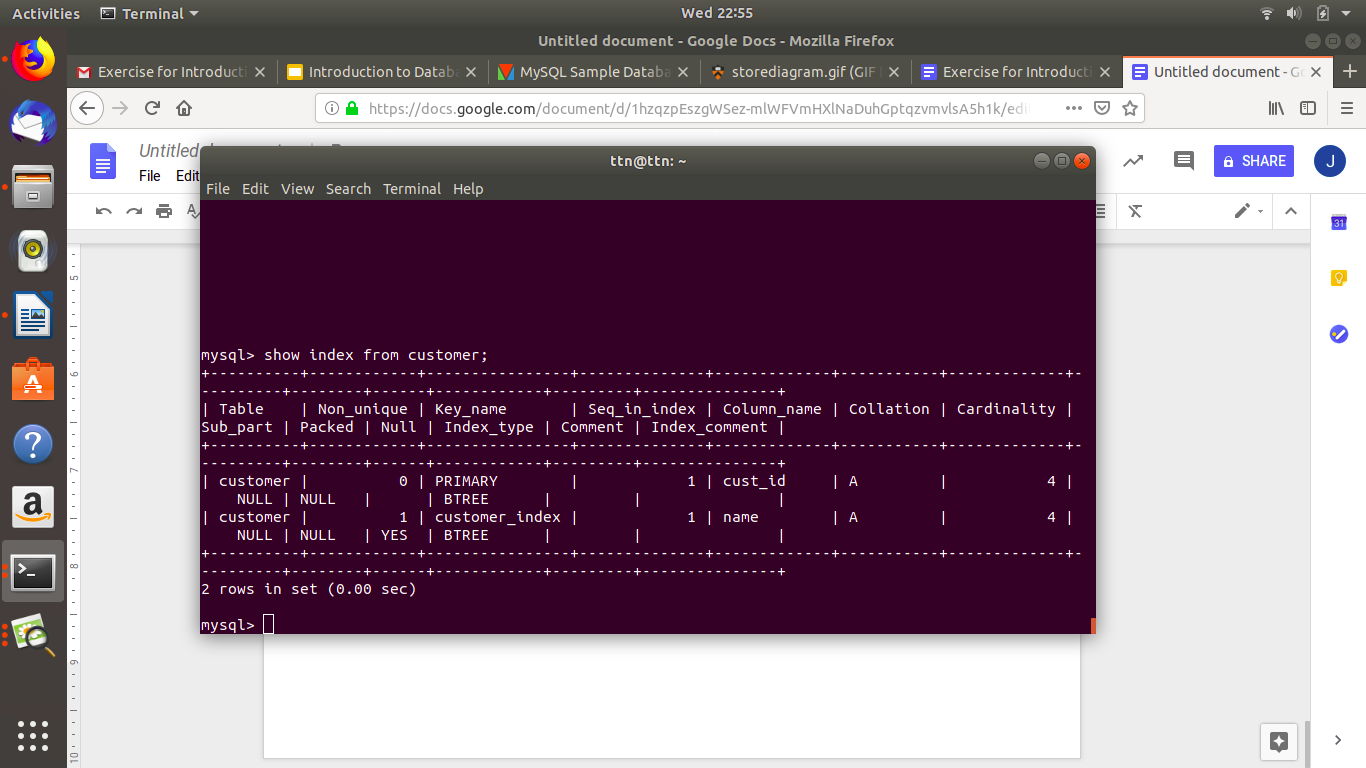
**6. Find the all sales person details along with order details**



**7. Create index**

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**8. How to show index on a table**



**9. Find the order number, sales person name, along with the customer to whom that order belongs to**

