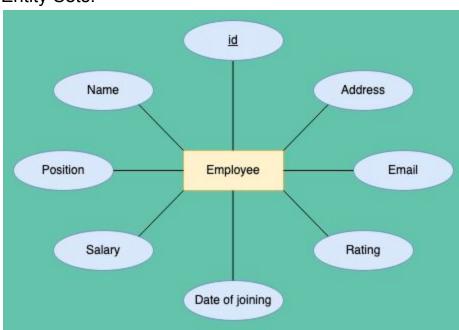
### DBMS Lab Assignment - 02

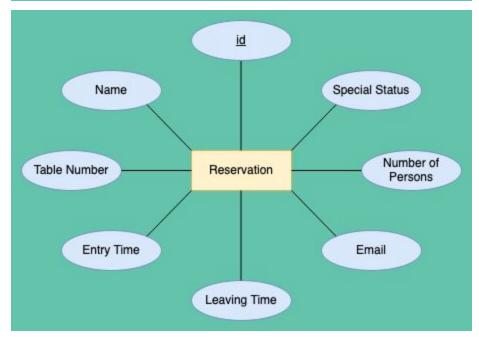
Name: V. Sai Vipul Mohan

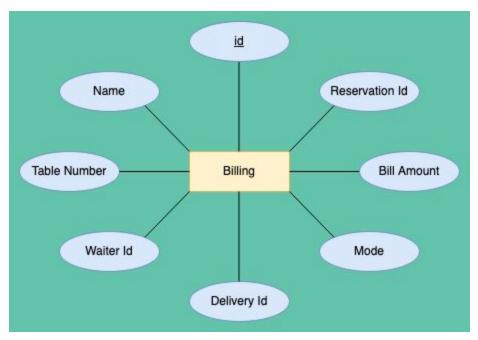
Roll.no: 111801045

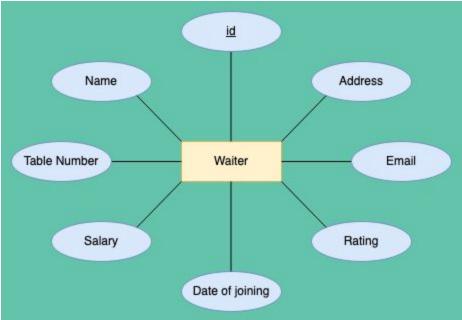
# 1. Entity Sets and Relationship Sets:

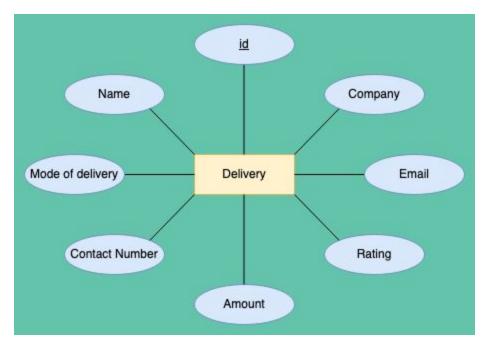
Entity Sets:







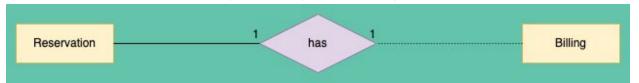




### Relationship Sets:



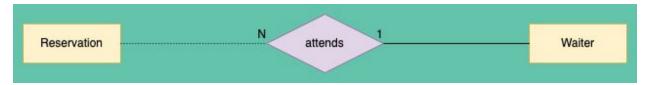
Delivery **has** Billing: one-to-one relationship, mandatory participation of Delivery in the relationship and optional participation of Billing in the relationship.(Every Delivery has Billing but not vice versa)



Reservations **has** Billing: one-to-one relationship, mandatory participation of Reservation in the relationship and optional participation of Billing in the relationship.(Every reservations has Billing but not vice versa)

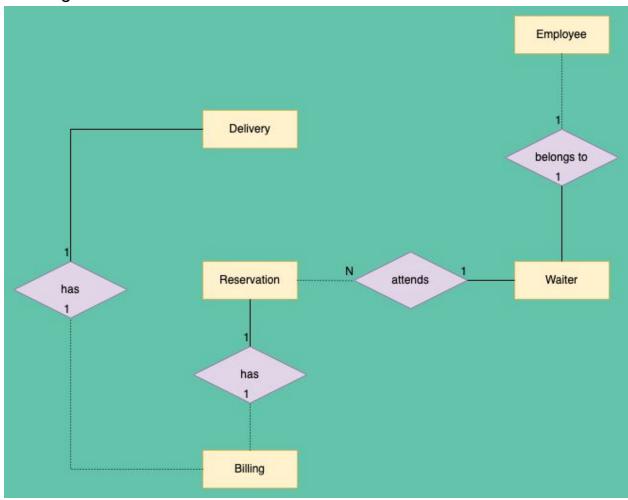


Employee **belongs to** Waiter: one-to-one relationship, optional participation of Employee in the relationship and mandatory participation of Waiter in the relationship.



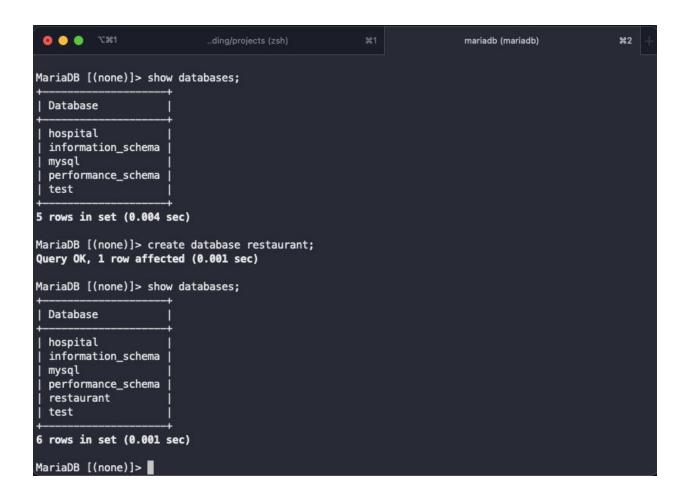
Waiter **attends** Reservation: one-to-many relationship, mandatory participation of Waiter and Reservation in the relationship. (Single Waiter can attend multiple Reservations)

## 2. ER Diagram:

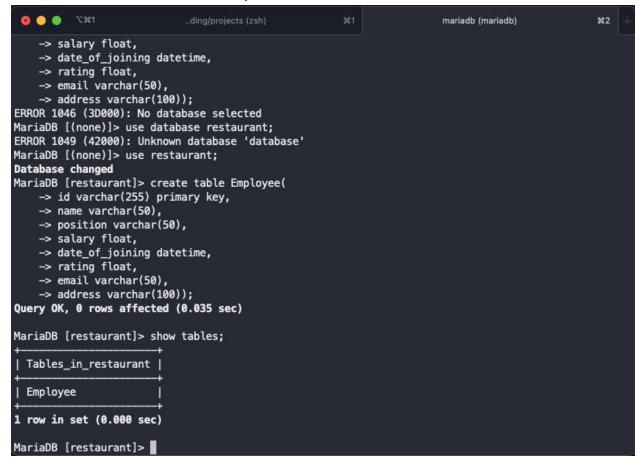


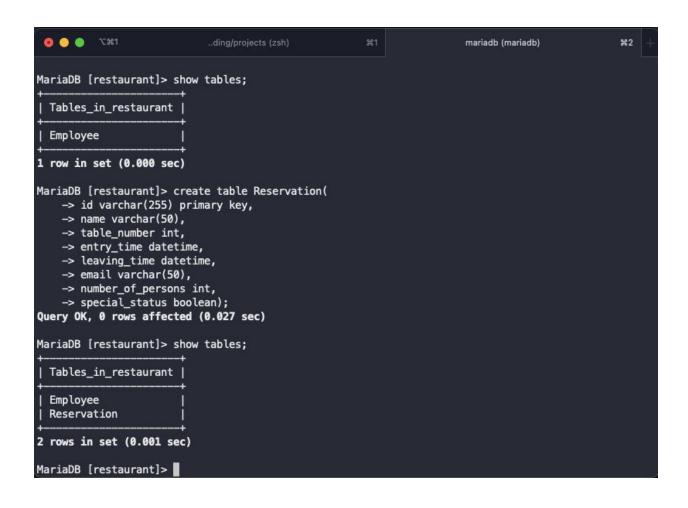
#### 3. Use MariaDB

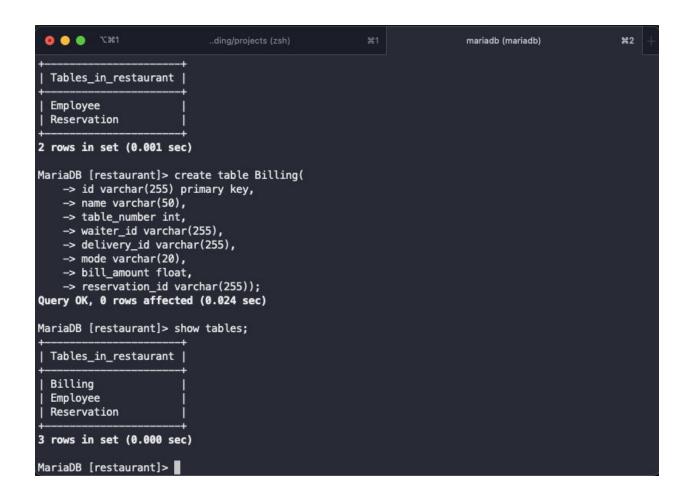
a. Create a database Restaurant

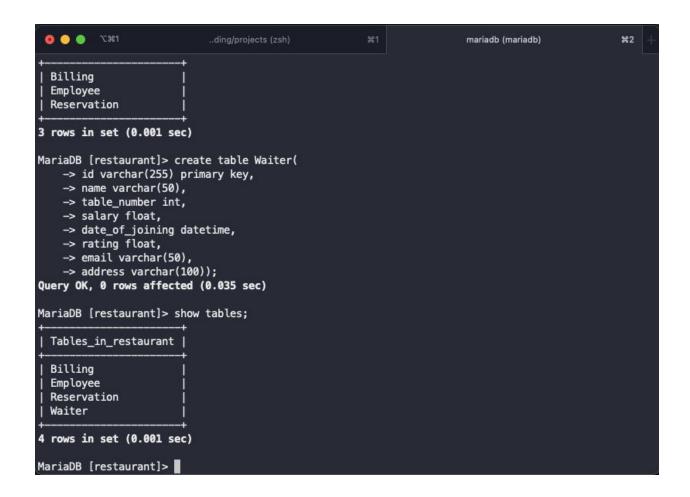


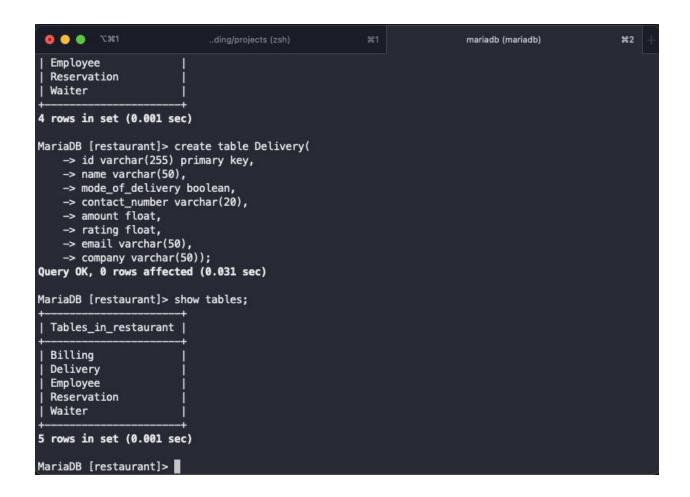
### b. Create all the required tables

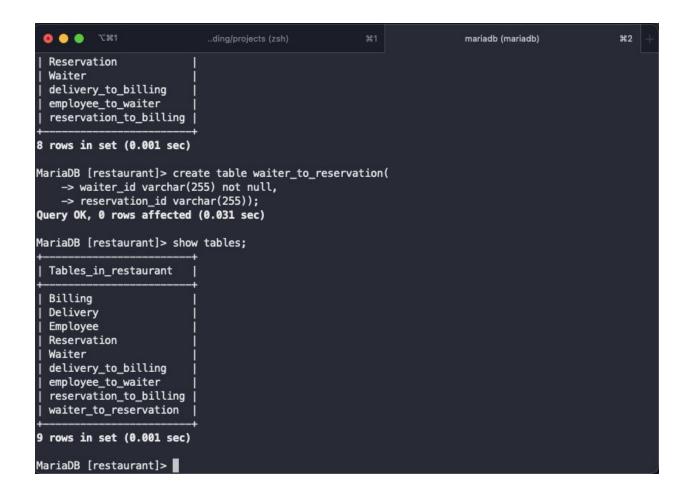


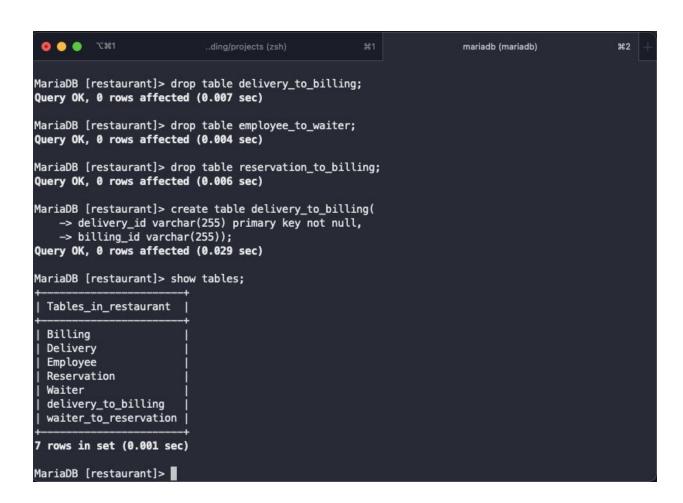


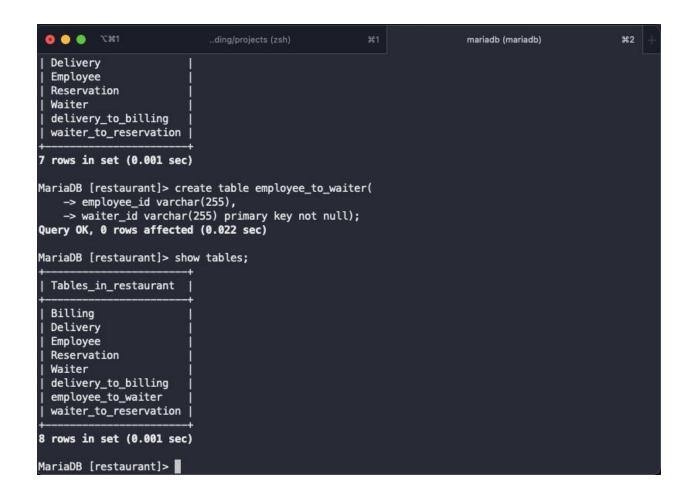


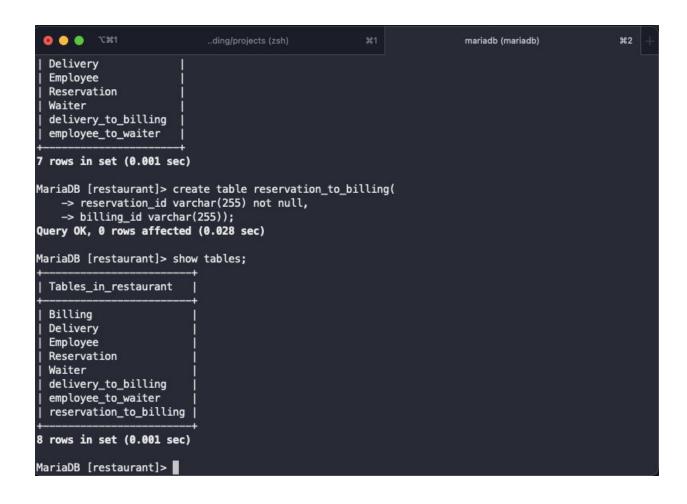




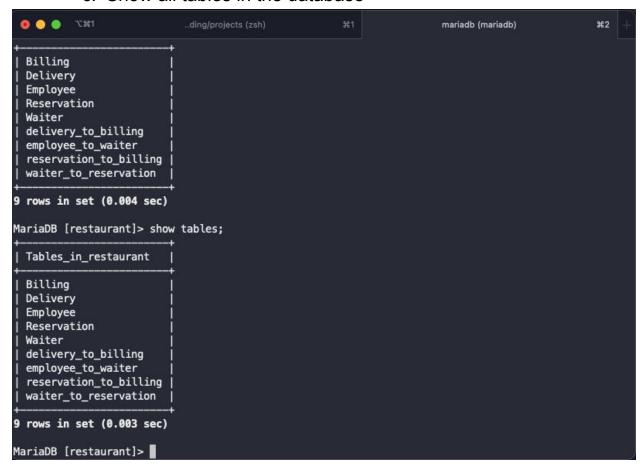




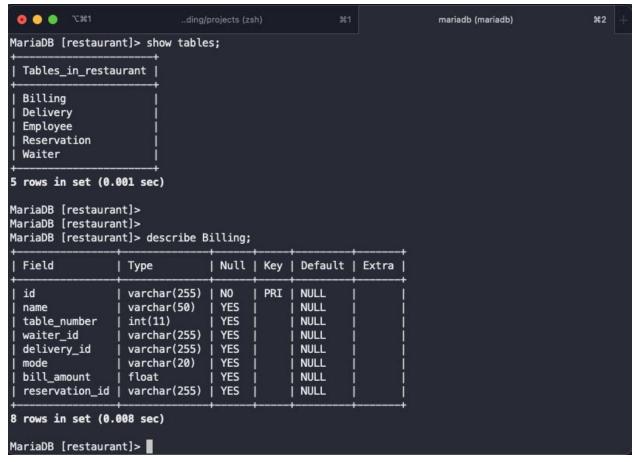


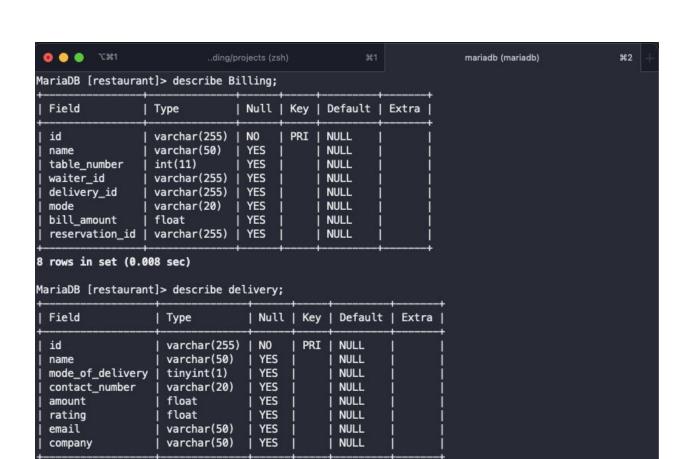


### c. Show all tables in the database



d. Show structure of the tables created in question 3(b)





8 rows in set (0.009 sec)

