```
tushar@tushar:~$ sudo mysql -u root -p
[sudo] password for tushar:
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.7.29-Oubuntu0.18.04.1 (Ubuntu)
Copyright (c) 2000, 2020, Oracle and/or its affiliates. All rights reserved.
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affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> create database global;
Query OK, 1 row affected (0.00 sec)
mysql> show databases;
| Database
 information schema |
| alobal
```

Q2 Design Schema.

Q3 Create tables

```
mysql> use global;
Database changed
mysql> desc global;
ERROR 1146 (42502): Table 'global.global' doesn't exist
mysql> create table customer (id bigint(10) primary key not null auto_increment
, name varchar(32) ,email varchar(32),phone int(11));
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> create table salesperson ( salesman_id int(12) primary key , name varchar(32)); Query OK, 0 rows affected (0.02 sec)

nysql> create table orders ( o_id int(12) primary key, c_id bigint(10) , s_id int(12), foreign key(c_id) references customer(id), foreign key (s_id) references salesperson(salesman_id)); Query OK, 0 rows affected (0.02 sec)
```

Q4 Insert sample data.

```
mysql> insert into customer values(1, "naresh", "naresh@ttn.com", 9256784255);
ERROR 1264 (22003): Out of range value for column 'phone' at row 1
mysql> insert into customer values(1, "naresh", "naresh@ttn.com", 92567842);
Query OK, 1 row affected (0.04 sec)

mysql> insert into customer column(id,name,phone) values(1, "naresh", 92567842);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'column(id,name,phone) values(1, "naresh", 92567842)' at line 1
mysql> insert into customer (id,name,phone) values(1, "naresh", 92567842);
ERROR 1062 (23000): Duplicate entry '1' for key 'PRIMARY'
mysql> insert into customer(id,name,phone) values(2, "punit", 56567842);
Query OK, 1 row affected (0.01 sec)

mysql> select * from customer;

| id | name | email | phone | |
| 1 | naresh | naresh@ttn.com | 92567842 |
| 2 | punit | NULL | | 50567842 |
| 2 | rows in set (0.00 sec)

mysql>
```

Q5 Find the sales person have multiple orders.

```
mysql> select salesman_id ,name from salesperson a where 1<(select count(*) from orders where orders.s_id = a.salesman_id);

| salesman_id | name |
| 101 | shweta |
| 102 | veena |
| 2 rows in set (0.00 sec)
```

Q6 Find the all sales person details along with order details.

Q7 Create index.

```
mysql> create index xyz on customer(name);
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

Q8 How to show index on a table.

Q9 Find the order number, sale person name, along with the customer to whom that order belongs to.