Assignment –1
Creating sample tables and inserting values.

Create the following tables with the given structures and insert sample data as specified: -

A)   *SALESPEOPLE*

Snum	int(4)
Sname	varchar(10)
City	varchar(10)
Comm	float(3,2)

Queries:

create table salespeople (
Snum int(4), Sname varchar(10), City varchar(10), Comm float(3,2));
desc salespeople;

```
MySQL 8.0 Command Line Cli   ×    +  ∨                                                           —  □  ×

mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| cdacmumbai         |
| information_schema |
| performance_schema |
+--------------------+
3 rows in set (0.00 sec)

mysql> use cdacmumbai;
Database changed
mysql> show tables;
Empty set (0.00 sec)

mysql> create table salespeople ( Snum int(4), Sname varchar(10), City varchar(10), Comm float(3,2) );
Query OK, 0 rows affected, 2 warnings (0.06 sec)

mysql> desc salespeople;
+-------+-------------+------+-----+---------+-------+
| Field | Type        | Null | Key | Default | Extra |
+-------+-------------+------+-----+---------+-------+
| Snum  | int         | YES  |     | NULL    |       |
| Sname | varchar(10) | YES  |     | NULL    |       |
| City  | varchar(10) | YES  |     | NULL    |       |
| Comm  | float(3,2)  | YES  |     | NULL    |       |
+-------+-------------+------+-----+---------+-------+
4 rows in set (0.01 sec)

mysql>
```

SALES PEOPLE

SNUM	SNAME	CITY	COMM
1001	Peel	London	.12
1002	Serres	San Jose	.13
1004	Motika	London	.11
1007	Rifkin	Barcelona	.15
1003	Axelrod	New York	.10

Queries:

insert into salespeople values(1001,'Peel','London',0.12);
insert into salespeople values(1002,'Serres','San Jose',0.13);
insert into salespeople values(1004,'Motika','London',0.11);
insert into salespeople values(1007,'Rifkin','Barcelona',0.15);
insert into salespeople values(1003,'Axelrod','New York',0.10);
select * from salespeople;

```
4 rows in set (0.01 sec)

mysql> insert into salespeople values(1001,'Peel','London',0.12);
Query OK, 1 row affected (0.02 sec)

mysql> insert into salespeople values(1002,'Serres','San Jose',0.13);
Query OK, 1 row affected (0.01 sec)

mysql> insert into salespeople values(1004,'Motika','London',0.11);
Query OK, 1 row affected (0.01 sec)

mysql> insert into salespeople values(1007,'Rifkin','Barcelona',0.15);
Query OK, 1 row affected (0.01 sec)

mysql> insert into salespeople values(1003,'Axelrod','New York',0.10);
Query OK, 1 row affected (0.01 sec)

mysql> select * from salespeople;
+------+---------+-----------+------+
| Snum | Sname   | City      | Comm |
+------+---------+-----------+------+
| 1001 | Peel    | London    | 0.12 |
| 1002 | Serres  | San Jose  | 0.13 |
| 1004 | Motika  | London    | 0.11 |
| 1007 | Rifkin  | Barcelona | 0.15 |
| 1003 | Axelrod | New York  | 0.10 |
+------+---------+-----------+------+
5 rows in set (0.00 sec)

mysql>
```

B)   _CUSTOMERS_

Cnum	int(4)
Cname	varchar(10)
City	varchar(10)
Rating	int(4)
Snum	int(4)

Queries:

create table customers (
Cnum int(4), Cname varchar(10), City varchar(10), Rating int(4), Snum int(4));
desc customers;

```
mysql> create table customers ( Cnum int(4), Cname varchar(10), City varchar(10), Rating int(4), Snum int(4) );
Query OK, 0 rows affected, 3 warnings (0.04 sec)

mysql> desc customers;
+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| Cnum   | int         | YES  |     | NULL    |       |
| Cname  | varchar(10) | YES  |     | NULL    |       |
| City   | varchar(10) | YES  |     | NULL    |       |
| Rating | int         | YES  |     | NULL    |       |
| Snum   | int         | YES  |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
5 rows in set (0.01 sec)
```
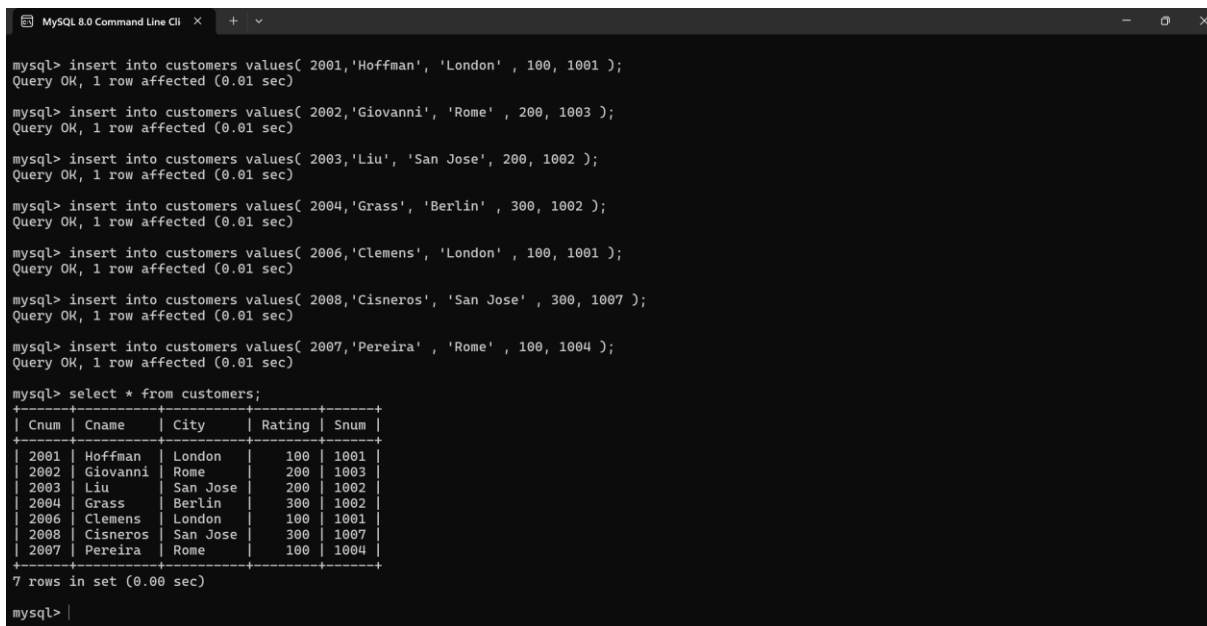
CUSTOMERS

CNUM	CNAME	CITY	RATING	SNUM
2001	Hoffman	London	100	1001
2002	Giovanni	Rome	200	1003
2003	Liu	San Jose	200	1002
2004	Grass	Berlin	300	1002
2006	Clemens	London	100	1001
2008	Cisneros	San Jose	300	1007
2007	Pereira	Rome	100	1004

Queries:

insert into customers values(2001,'Hoffman', 'London' , 100, 1001);
insert into customers values(2002,'Giovanni', 'Rome' , 200, 1003);
insert into customers values(2003,'Liu', 'San Jose', 200, 1002);
insert into customers values(2004,'Grass', 'Berlin' , 300, 1002);
insert into customers values(2006,'Clemens', 'London' , 100, 1001);
insert into customers values(2008,'Cisneros', 'San Jose' , 300, 1007);
insert into customers values(2007,'Pereira' , 'Rome' , 100, 1004);
select * from customers;

C)   ORDERS

Onum	int(4)
Amt	float(7,2)
Odate	date
Cnum	int(4)
Snum	int(4)

Queries:

create table orders (Onum int(4), Amt float(7,2), Odate date, Cnum int(4), Snum int(4));
desc orders;

```
mysql> create table orders (Onum int(4), Amt float(7,2), Odate date, Cnum int(4), Snum int(4));
Query OK, 0 rows affected, 4 warnings (0.05 sec)

mysql> desc orders;
+-------+------------+------+-----+---------+-------+
| Field | Type       | Null | Key | Default | Extra |
+-------+------------+------+-----+---------+-------+
| Onum  | int        | YES  |     | NULL    |       |
| Amt   | float(7,2) | YES  |     | NULL    |       |
| Odate | date       | YES  |     | NULL    |       |
| Cnum  | int        | YES  |     | NULL    |       |
| Snum  | int        | YES  |     | NULL    |       |
+-------+------------+------+-----+---------+-------+
5 rows in set (0.01 sec)
```

ORDERS

ONUM	AMT	ODATE	CNUM	SNUM
3001	18.69	03-OCT-1990	2008	1007
3003	767.19	03- OCT -1990	2001	1001
3002	1900.10	03- OCT -1990	2007	1004
3005	5160.45	03- OCT -1990	2003	1002
3006	1098.16	03- OCT -1990	2008	1007
3009	1713.23	04- OCT -1990	2002	1003
3007	75.75	04- OCT -1990	2004	1002
3008	4723.00	05- OCT -1990	2006	1001
3010	1309.95	06- OCT -1990	2004	1002
3011	9891.88	06- OCT -1990	2006	1001

Queries:
INSERT INTO orders (ONUM, AMT, ODATE, CNUM, SNUM) VALUES
    -> (3001, 18.69, '1990-10-03', 2008, 1007),
    -> (3003, 767.19, '1990-10-03', 2001, 1001),
    -> (3002, 1900.10, '1990-10-03', 2007, 1004),
    -> (3005, 5160.45, '1990-10-03', 2003, 1002),
    -> (3006, 1098.16, '1990-10-03', 2008, 1007),
    -> (3009, 1713.23, '1990-10-04', 2002, 1003),
    -> (3007, 75.75, '1990-10-04', 2004, 1002),
    -> (3008, 4723.00, '1990-10-05', 2006, 1001),
    -> (3010, 1309.95, '1990-10-06', 2004, 1002),
    -> (3011, 9891.88, '1990-10-06', 2006, 1001);

select * from orders;

```
mysql> select * from orders;
+------+---------+------------+------+------+
| Onum | Amt     | Odate      | Cnum | Snum |
+------+---------+------------+------+------+
| 3001 |   18.69 | 1990-10-03 | 2008 | 1007 |
| 3003 |  767.19 | 1990-10-03 | 2001 | 1001 |
| 3002 | 1900.10 | 1990-10-03 | 2007 | 1004 |
| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |
| 3007 |   75.75 | 1990-10-04 | 2004 | 1002 |
| 3008 | 4723.00 | 1990-10-05 | 2006 | 1001 |
| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-10-06 | 2006 | 1001 |
+------+---------+------------+------+------+
10 rows in set (0.00 sec)

mysql> show tables;
+---------------------+
| Tables_in_cdacmumbai |
+---------------------+
| customers           |
| orders              |
| salespeople         |
+---------------------+
3 rows in set (0.00 sec)
```