ASSIGNMENT 1

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)

B) CUSTOMERS

Cnum int(4)

Cname varchar(10)

City varchar(10)

Rating int(4)

Snum int(4)

C) ORDERS

Onum int(4)

Amt float(7,2)

Odate date

Cnum int(4)

Snum int

Solution 1

```sql
CREATE DATABASE sales_db;

SHOW DATABASES;

USE sales_db;

CREATE TABLE SALESPEOPLE (

    Snum INT(4) PRIMARY KEY,

    Sname VARCHAR(10),

    City VARCHAR(10),

    Comm FLOAT(3,2)

);


CREATE TABLE CUSTOMERS (

    Cnum INT(4) PRIMARY KEY,

    Cname VARCHAR(10),

    City VARCHAR(10),

    Rating INT(4),

    Snum INT(4),

    FOREIGN KEY (Snum) REFERENCES SALESPEOPLE(Snum)

);
```

```
CREATE TABLE ORDERS (

    Onum INT(4) PRIMARY KEY,

    Amt FLOAT(7,2),

    Odate DATE,

    Cnum INT(4),

    Snum INT(4),

    FOREIGN KEY (Cnum) REFERENCES CUSTOMERS(Cnum),

    FOREIGN KEY (Snum) REFERENCES SALESPEOPLE(Snum)

);


INSERT INTO SALESPEOPLE (Snum, Sname, City, Comm) VALUES

(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);


INSERT INTO CUSTOMERS (Cnum, Cname, City, Rating, Snum) VALUES

(2001, 'Hoffman', 'London', 100, 1001),
```

```sql
(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);


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 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

SELECT * FROM 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

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