

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

CREATION

```
W2_87325_Rajvardhan>CREATE TABLE SALESPEOPLE (
->   S_num INT(4) PRIMARY KEY,
->   S_name VARCHAR(10),
->   City VARCHAR(10),
->   Comm FLOAT(3, 2)
-> );
```

Query OK, 0 rows affected, 2 warnings (0.02 sec)

```
W2_87325_Rajvardhan>DESC SALESPEOPLE;
```

Field	Type	Null	Key	Default	Extra
S_num	int	NO	PRI	NULL	
S_name	varchar(10)	YES		NULL	
City	varchar(10)	YES		NULL	
Comm	float(3,2)	YES		NULL	

4 rows in set (0.01 sec)

```
W2_87325_Rajvardhan>CREATE TABLE CUSTOMERS (
->   C_num INT(4) PRIMARY KEY,
->   Cname VARCHAR(10),
->   City VARCHAR(10),
->   Rating INT(4),
->   S_num INT(4),
->   FOREIGN KEY (S_num) REFERENCES SALESPEOPLE(S_num)
-> );
```

Query OK, 0 rows affected, 3 warnings (0.03 sec)

```
W2_87325_Rajvardhan>DESC CUSTOMERS;
```

Field	Type	Null	Key	Default	Extra
C_num	int	NO	PRI	NULL	
Cname	varchar(10)	YES		NULL	
City	varchar(10)	YES		NULL	
Rating	int	YES		NULL	
S_num	int	YES	MUL	NULL	

5 rows in set (0.00 sec)

```

W2_87325_Rajvardhan>CREATE TABLE ORDERS (
->   O_num INT(4) PRIMARY KEY,
->   Amt FLOAT(7, 2),
->   Odate DATE,
->   C_num INT(4),
->   S_num INT(4),
->   FOREIGN KEY (C_num) REFERENCES CUSTOMERS(C_num),
->   FOREIGN KEY (S_num) REFERENCES SALESPEOPLE(S_num)
-> );
Query OK, 0 rows affected, 4 warnings (0.03 sec)

```

```
W2_87325_Rajvardhan>DESC ORDERS;
```

Field	Type	Null	Key	Default	Extra
O_num	int	NO	PRI	NULL	
Amt	float(7,2)	YES		NULL	
Odate	date	YES		NULL	
C_num	int	YES	MUL	NULL	
S_num	int	YES	MUL	NULL	

5 rows in set (0.00 sec)

INSERTION

```

W2_87325_Rajvardhan>INSERT INTO SALESPEOPLE (S_num, S_name, 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', 9.99);
Query OK, 5 rows affected (0.00 sec)
Records: 5 Duplicates: 0 Warnings: 0

```

```
W2_87325_Rajvardhan>SELECT * FROM SALESPEOPLE;
```

S_num	S_name	City	Comm
1001	Peel	London	0.12
1002	Serres	San Jose	0.13
1003	Axelrod	New York	9.99
1004	Motika	London	0.11
1007	Rifkin	Barcelona	0.15

5 rows in set (0.00 sec)

W2_87325_Rajvardhan>INSERT INTO CUSTOMERS (C_num, Cname, City, Rating, S_num) VALUES

```

-> (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);

```

Query OK, 7 rows affected (0.00 sec)

Records: 7 Duplicates: 0 Warnings: 0

W2_87325_Rajvardhan>SELECT * FROM CUSTOMERS;

C_num	Cname	City	Rating	S_num
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
2007	Pereira	Rome	100	1004
2008	Cisneros	San Jose	300	1007

7 rows in set (0.00 sec)

W2_87325_Rajvardhan>INSERT INTO ORDERS (O_num, Amt, Odate, C_num, S_num) 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);

```

Query OK, 10 rows affected (0.00 sec)

Records: 10 Duplicates: 0 Warnings: 0

W2_87325_Rajvardhan>SELECT * FROM ORDERS;

O_num	Amt	Odate	C_num	S_num
3001	18.69	1990-10-03	2008	1007
3002	1900.10	1990-10-03	2007	1004
3003	767.19	1990-10-03	2001	1001
3005	5160.45	1990-10-03	2003	1002
3006	1098.16	1990-10-03	2008	1007
3007	75.75	1990-10-04	2004	1002
3008	4723.00	1990-10-05	2006	1001
3009	1713.23	1990-10-04	2002	1003
3010	1309.95	1990-10-06	2004	1002
3011	9891.88	1990-10-06	2006	1001

10 rows in set (0.00 sec)