```
mysql> use classwork;
Database changed
mysql> CREATE TABLE SALESPEOPLE (
    -> Snum INT(4) PRIMARY KEY,
    ->
         Sname VARCHAR(10),
    ->
         City VARCHAR(10),
         Comm FLOAT(3,2)
    ->
    -> );
Query OK, 0 rows affected, 2 warnings (0.02 sec)
mysql> 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)
    ->
    -> );
Query OK, 0 rows affected, 3 warnings (0.04 sec)
mysql> 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)
    ->
    -> );
Query OK, 0 rows affected, 4 warnings (0.03 sec)
mysql> INSERT INTO SALESPEOPLE VALUES (1001, 'Peel', 'London', 0.12);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO SALESPEOPLE VALUES (1002, 'Serres', 'San Jose', 0.13);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO SALESPEOPLE VALUES (1004, 'Motika', 'London', 0.11);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO SALESPEOPLE VALUES (1007, 'Rifkin', 'Barcelona',
0.15);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO SALESPEOPLE VALUES (1003, 'Axelrod', 'New York',
0.10);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO CUSTOMERS VALUES (2001, 'Hoffman', 'London', 100,
1001);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO CUSTOMERS VALUES (2002, 'Giovanni', 'Rome', 200,
1003);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO CUSTOMERS VALUES (2003, 'Liu', 'San Jose', 200, 1002);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO CUSTOMERS VALUES (2004, 'Grass', 'Berlin', 300, 1002);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO CUSTOMERS VALUES (2006, 'Clemens', 'London', 100,
1001);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO CUSTOMERS VALUES (2008, 'Cisneros', 'San Jose', 300,
1007);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO CUSTOMERS VALUES (2007, 'Pereira', 'Rome', 100, 1004);
Query OK, 1 row affected (0.00 sec)
mysql>
mysql> INSERT INTO ORDERS VALUES (3001, 18.69, '1990-10-03', 2008, 1007);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO ORDERS VALUES (3003, 767.19, '1990-10-03', 2001,
1001);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO ORDERS VALUES (3002, 1900.10, '1990-10-03', 2007,
1004);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO ORDERS VALUES (3005, 5160.45, '1990-10-03', 2003,
1002);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO ORDERS VALUES (3006, 1098.16, '1990-10-03', 2008,
1007);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO ORDERS VALUES (3009, 1713.23, '1990-10-04', 2002,
1003);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO ORDERS VALUES (3007, 75.75, '1990-10-04', 2004, 1002);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO ORDERS VALUES (3008, 4723.00, '1990-10-05', 2006,
1001);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO ORDERS VALUES (3010, 1309.95, '1990-10-06', 2004,
1002);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO ORDERS VALUES (3011, 9891.88, '1990-10-06', 2006,
1001);
Query OK, 1 row affected (0.00 sec)
mysql> SELECT * FROM SALESPEOPLE;
+----+
| Snum | Sname | City | Comm |
+----+
```

```
| 1001 | Peel | London | 0.12 | | 1002 | Serres | San Jose | 0.13 | | 1003 | Axelrod | New York | 0.10 |
| 1004 | Motika | London | 0.11 |
| 1007 | Rifkin | Barcelona | 0.15 |
+----+
```

5 rows in set (0.00 sec)

mysql> SELECT * FROM CUSTOMERS;

L	+		+	++
Cnum	' Cname +	City	Rating	Snum
2001	Hoffman	London	100	1001
2002 2003	Giovanni Liu	Rome San Jose	200	1003 1002
2004	Grass Clemens	Berlin	300 100	1002 1001
2007	Pereira	Rome	100	1004
•	Cisneros +	•	300 +	1007 ++
•	in sot 10 01			

7 rows in set (0.00 sec)

mysql> SELECT * FROM ORDERS;

+		Ψ.				4.		+ -	
	Onum		Amt	į	Odate	İ	Cnum		Snum
+		+		+		+-		+-	
	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)

mysql>

```
mysql> use classwork;
Database changed
mysql> CREATE TABLE SALESPEOPLE (
          Snum INT(4) PRIMARY KEY,
          Sname VARCHAR(10),
    -> City VARCHAR(10),
    \rightarrow Comm FLOAT(3,2)
   -> );
Query OK, 0 rows affected, 2 warnings (0.02 sec)
mysql> 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)
Query OK, 0 rows affected, 3 warnings (0.04 sec)
mysql> 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)
   ->
   -> );
Query OK, 0 rows affected, 4 warnings (0.03 sec)
mysql> INSERT INTO SALESPEOPLE VALUES (1001, 'Peel', 'London', 0.12);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO SALESPEOPLE VALUES (1002, 'Serres', 'San Jose', 0.13);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO SALESPEOPLE VALUES (1004, 'Motika', 'London', 0.11);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO SALESPEOPLE VALUES (1007, 'Rifkin', 'Barcelona', 0.15);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO SALESPEOPLE VALUES (1003, 'Axelrod', 'New York', 0.10);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO CUSTOMERS VALUES (2001, 'Hoffman', 'London', 100, 1001);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO CUSTOMERS VALUES (2002, 'Giovanni', 'Rome', 200, 1003);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO CUSTOMERS VALUES (2003, 'Liu', 'San Jose', 200, 1002);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO CUSTOMERS VALUES (2004, 'Grass', 'Berlin', 300, 1002);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO CUSTOMERS VALUES (2006, 'Clemens', 'London', 100, 1001);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO CUSTOMERS VALUES (2008, 'Cisneros', 'San Jose', 300, 1007);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO CUSTOMERS VALUES (2007, 'Pereira', 'Rome', 100, 1004);
Query OK, 1 row affected (0.00 sec)
mysql>
mysql> INSERT INTO ORDERS VALUES (3001, 18.69, '1990-10-03', 2008, 1007);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO ORDERS VALUES (3003, 767.19, '1990-10-03', 2001, 1001);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO ORDERS VALUES (3002, 1900.10, '1990-10-03', 2007, 1004);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO ORDERS VALUES (3005, 5160.45, '1990-10-03', 2003, 1002);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO ORDERS VALUES (3006, 1098.16, '1990-10-03', 2008, 1007);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO ORDERS VALUES (3009, 1713.23, '1990-10-04', 2002, 1003);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO ORDERS VALUES (3007, 75.75, '1990-10-04', 2004, 1002);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO ORDERS VALUES (3008, 4723.00, '1990-10-05', 2006, 1001);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO ORDERS VALUES (3010, 1309.95, '1990-10-06', 2004, 1002);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO ORDERS VALUES (3011, 9891.88, '1990-10-06', 2006, 1001);
Query OK, 1 row affected (0.00 sec)
mysql> SELECT * FROM SALESPEOPLE;
 ----+----+
 Snum | Sname | City | Comm |
  1001 | Peel | London | 0.12 |
 1002
        Serres | San Jose | 0.13
  1003
       Axelrod New York 0.10
 1004 | Motika | London | 0.11
 1007 | Rifkin | Barcelona | 0.15
+----+----+
5 rows in set (0.00 sec)
mysql> SELECT * FROM CUSTOMERS;
Cnum | Cname | City | Rating | Snum |
 2001 | Hoffman | London | 100 | 1001 |
        Giovanni
                                       1003
  2002
                   Rome
                                 200
  2003
                                       1002
         Liu
                   San Jose
                                 200
  2004
                   Berlin
                                       1002
                                 300
        Grass
  2006
                   London
                                 100
                                       1001
        Clemens
        Pereira
                                       1004
  2007
                   Rome
                                 100
  2008
        Cisneros
                   San Jose
                                 300
                                       1007
7 rows in set (0.00 sec)
mysql> SELECT * FROM ORDERS;
 Onum Amt
                | Odate
                             | Cnum | Snum |
  3001
                  1990-10-03
                                     1007
          18.69
                               2008
  3002
        1900.10
                  1990-10-03
                                      1004
                               2007
         767.19
  3003
                  1990-10-03
                               2001
                                      1001
  3005
        5160.45
                               2003
                                      1002
                  1990-10-03
```

mysql>

3006

3007

3008

3009

3010

3011

1098.16

4723.00

1713.23

1309.95

9891.88

10 rows in set (0.00 sec)

75.75

1990-10-03

1990-10-04

1990-10-05

1990-10-04

1990-10-06

1990-10-06

2008

2004

2006

2002

2004

2006

1007

1002

1001

1003

1002

1001