

1) Create a table called Cityorders. This will contain the same onum, amt and snum fields as the Orders table, and the same cnum and city fields as the Customers table, so that each customer's order will be entered into this table along with his or her city. Onum will be the primary key of Cityorders. All of the fields in Cityorders will be constrained to match the Customers and Orders tables. Assume the parent keys in these tables already have the proper constraints.

```
w3_93119_sushant>
w3_93119_sushant>create table cityorder(
-> onum int,
-> amt int,
-> snum int,
-> cnum int not null,
-> city varchar(25),
-> primary key (onum)
-> );
Query OK, 0 rows affected (0.03 sec)
```

2) Redefine the Orders table as follows:- add a new column called prev, which will identify, for each order, the onum of the previous order for that current customer. Implement this with a foreign key referring to the Orders table itself. The foreign key should refer as well to the cnum of the customer, providing a definite enforced link between the current order and the one referenced.

```
w3_93119_sushant>
w3_93119_sushant>alter table orders
-> add column prev int;
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0

w3_93119_sushant>alter table orders
-> add constraints fk_order
-> foreign key prev references orders(onum)
-> ;
ERROR 1064 (42800): 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 'fk_order
foreign key prev references orders(onum)' at line 2
w3_93119_sushant>alter table orders
-> add constraint fk_order
-> foreign key prev references orders(onum)
-> ;
ERROR 1064 (42800): 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 'references orders(onum)' at line 3
w3_93119_sushant>alter table orders
-> add constraint fk_order
-> foreign key (prev) references orders(onum)
-> ;
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0

w3_93119_sushant>alter table orders
-> add constraint fk_customer
-> foreign key (prev) references customers(cnum);
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0
```