Exp 3.4.15 Retrieve the city names containing customers who order product p01.

Answer 1：表的连接查询

SELECT city

FROM customers c，orders o

WHERE   c.cid = o.cid and o.pid = 'p01' ；

Exp 3.4.15 Retrieve the city names containing customers who order product p01.

Answer 2：IN谓词 + 独立子查询

SELECT city

FROM customers

WHERE cid IN (SELECT cid

FROM orders

WHERE pid = 'p01') ;

Exp 3.4.15 Retrieve the city names containing customers who order product p01.

Answer 3：IN谓词 + 相关子查询

> SELECT city
>
> FROM customers c
>
> WHERE 'p01' IN (SELECT o.pid
>
>   FROM orders o
>
>   WHERE o.cid = c.cid) ;

Exp 3.4.15 Retrieve the city names containing customers who order product p01.

Answer 4：=SOME + 子查询

SELECT city
FROM customers
WHERE   cid = SOME (
                    SELECT cid
                    FROM orders
                    WHERE pid = 'p01') ;

Exp 3.4.15 Retrieve the city names containing customers who order product p01.

Answer 5：EXISTS + 相关子查询

```
SELECT  city
FROM  customers  c
WHERE   EXISTS (
              SELECT  *
              FROM  orders  o
              WHERE   o.cid = c.cid  and
                      o.pid = 'p01'  ) ;
```