CREATE VIEW NON_COLOCATED
AS SELECT S#, P#
FROM S, P
WHERE S.CITY <> P.CITY;

CREATE VIEW LONDON_SUPPLIERS
AS SELECT S#, SNAME, STATUS
FROM S
WHERE CITY = 'London';

We have omitted the CITY field from the view, since we know its value must be London for every record visible through the view. Note, however, that this omission means that any record visible through the view will vanish instantly, since CITY field will be set to null. The CHECK option would prohibit such insertions.

The problem here is: How should the field SP.QTY be defined? The sensible answer seems to be that, for a given (S#, P#) pair, SP.QTY should be the sum of all SPJ.QTY values taken over all J#'s for that (S#, P#) pair.

CREATE VIEW SP (S#, P#, QTY)
AS SELECT S#, P#, SUM (QTY)
FROM SPJ
GROUP BY S#, P#;

CREATE VIEW JC (J#, CITY)
AS SELECT J#.J#, J.CITY
FROM J
پاسخ تمرين ٩

WHERE J# IN ( SELECT J#
                 FROM SPJ
                 WHERE S# = ‘S1’
           )
AND J# IN ( SELECT J#
               FROM SPJ
               WHERE P# = ‘P1’
           );

a) SELECT P#, WEIGHT, COLOR
       FROM P
       WHERE COLOR = ‘Green’
       AND WEIGHT > 14;

b) SELECT P#, WEIGHT+5
       FROM P
       WHERE WEIGHT > 14
       ORDERED BY 2;

c) UPDATE P
    SET COLOR = ‘White’
    WHERE WEIGHT > 14
    AND WEIGHT = 18;

d) DELETE
   FROM P
   WHERE WEIGHT < 10
   AND WEIGHT > 14;

e) INSERT
پاسخ تمرین ۹

پاسخ (پرسش ۹)

INTO P (P#, WEIGHT, COLOR)
VALUES ('P99', 12, 'Purple');

a) SELECT P#, WEIGHT*454, COLOR
FROM P
WHERE COLOR = 'Green'
AND WEIGHT > 14;

b) SELECT P#, (WEIGHT * 454) + 5
FROM P
WHERE WEIGHT >14
ORDERED BY 2;

c) UPDATE P
SET COLOR = 'White'
WHERE (WEIGHT * 454) = 18
AND WEIGHT >14;

d) DELETE
FROM P
WHERE (WEIGHT * 454) = 18
AND WEIGHT >14;

e) Fails. INSERT operations cannot be supported on such a view.

پاسخ (پرسش ۷) ستاره دار است...
پاسخ (پرسش ۸)

مزیای:
اشترک داده‌ها، ایمنی اتو ماتیک، استقلال داده‌ای، تامین محبی انتزاعی برای کاربران و تعداد دید ها و...
معایب: فزون‌کاری در تبدیلات، مشکلات در عملیات ذخیره سازی و...
پاسخ (پرسش ۹) به بحث مربوطه در درس مراجعه شود.