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--Correction des exercices du TP2
--EPFC-ULB
--Boris Verhaegen
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```
--Q1
SELECT l.ID_S, l.ID_P, l.ID_J
FROM SPJ l, P p
WHERE l.ID_P = p.ID_P
      AND p.Color = 'Red'
```

```
--Q1 sans renommage
SELECT ID_S, SPJ.ID_P, ID_J
FROM SPJ, P
WHERE SPJ.ID_P = P.ID_P
      AND P.Color = 'Red'
```

```
--Q2
SELECT DISTINCT s.SNAME
FROM S s, SPJ l
WHERE s.ID_S = l.ID_S
      AND l.ID_P = 'P4'
```

```
--Q3
SELECT DISTINCT j.JNAME
FROM J j, SPJ l
WHERE j.ID_J = l.ID_J
      AND l.ID_P = 'P3'
```

```
--Q4
SELECT DISTINCT j.JNAME
FROM J j, SPJ l
WHERE j.ID_J = l.ID_J
      AND l.ID_S = 'S1'
```

```
--Q5
SELECT DISTINCT S.SNAME
FROM S, SPJ
WHERE S.ID_S = SPJ.ID_S
      AND QTY BETWEEN 150 AND 250
```

```
--Q6
-- On veut :
-- NOM      PIECE      PROJET      QUANTITE
-- Smith    Nut        Sorter      200
-- Smith    Nut        Console    700
-- ...
-- au lieu de :
-- S1 P1 J1 200
-- S1 P1 J4 700
-- ...
SELECT s.SNAME NOM, p.PNAME PIECE, j.JNAME PROJET, l.QTY QUANTITE
FROM P p, S s, J j, SPJ l
WHERE l.ID_P = p.ID_P
      AND l.ID_S = s.ID_S
      AND l.ID_J = j.ID_J
-- 4 tables --> 3 jointures
```

```
--Q7
SELECT s.SNAME NOM, p.PNAME PIECE, j.JNAME PROJET, l.QTY QUANTITE
FROM P p, S s, J j, SPJ l
WHERE l.ID_P = p.ID_P
      AND l.ID_S = s.ID_S
      AND l.ID_J = j.ID_J
      AND s.CITY = "Paris"
```

```
--Q8
SELECT DISTINCT j.City
FROM P p, S s, J j, SPJ l
WHERE l.ID_P = p.ID_P
      AND l.ID_S = s.ID_S
      AND l.ID_J = j.ID_J
```

```
AND s.SNAME = "Adams"
```

```
--Q9
```

```
SELECT DISTINCT p.PNAME
FROM P p, S s, SPJ l
WHERE l.ID_P = p.ID_P
      AND l.ID_S = s.ID_S
      AND p.WEIGHT < 18
      AND (s.CITY = "Rome" OR s.CITY = "London")
```

```
--Q10
```

```
SELECT DISTINCT p.ID_P
FROM P p, S s, SPJ l
WHERE l.ID_P = p.ID_P
      AND l.ID_S = s.ID_S
      AND p.CITY = "London"
      AND s.CITY = "London"
```