

```
--BD01 / WSGBD : Correction du TP4
--EPFC-ULB - Boris Verhaegen
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```
--Q1 (2 réponses)
```

```
SELECT p.Nom
FROM Personne p
WHERE p.Age >= 30
```

```
--Q2 (2 réponses)
```

```
SELECT p.Nom
FROM Personne p
WHERE p.Age < 30
      AND p.Sexe = "F"
```

```
--Q3 (2 réponses)
```

```
SELECT m.ID_Message
FROM Message m
WHERE m.Expediteur = "P1"
```

```
--Q4 (4 réponses)
```

```
SELECT p.Nom
FROM Personne p
WHERE p.Sexe = "M"
ORDER BY p.Nom
```

```
--Q5 (4 réponses)
```

```
SELECT m.Contenu
FROM Message m, Personne p
WHERE m.Expediteur = p.SSN
      AND p.Sexe = "M"
```

```
--Q6 (2 réponses)
```

```
SELECT p.Nom
FROM Destinataires d, Personne p
WHERE d.Destinataire = p.SSN
      AND d.ID_Message = "M4"
```

```
--Q7 (3 réponses)
```

```
SELECT DISTINCT m.Contenu
FROM Destinataires d, Personne p, Message m
WHERE d.Destinataire = p.SSN
      AND m.ID_Message = d.ID_Message
      AND p.Sexe = "F"
      AND p.Age < 30
```

```
--Q8 (3 réponses)
```

```
SELECT p.Nom
FROM Personne p, EstAmi a
WHERE a.SSN1 = "P1"
      AND a.SSN2 = p.SSN
```

```
--Q9 (4 réponses)
```

```
SELECT m.Contenu
FROM Message m, Personne p
WHERE m.Expediteur = p.SSN
      AND INSTR( UPPER( p.Nom ) , "E" ) <>0
```

```
--Q10 (2 réponses)
```

```
SELECT m.Date_Expedition
FROM Message m, Destinataires d, Personne p
WHERE m.ID_Message = d.ID_Message
      AND p.SSN = d.Destinataire
      AND p.Sexe = "F"
      AND UPPER(SUBSTR(p.Nom,1,1)) = "M"
```

```
--Q11 (3 réponses)
```

```
SELECT m.Contenu
FROM Message m, Personne p
WHERE m.Expediteur = p.SSN
      AND SUBSTR(UPPER(p.Nom),2,1) = 'A'
      AND p.Sexe = "M"
```

```
--Q12 (1 réponse)
SELECT exp.Nom
FROM Personne exp, Personne dest, Message m, Destinataires d
WHERE exp.SSN = m.Expediteur
      AND m.ID_Message = d.ID_Message
      AND d.Destinataire = dest.SSN
      AND dest.Age < 18
```

```
--Q13 (4 réponses)
SELECT DISTINCT a2.SSN2
FROM EstAmi a1, EstAmi a2
WHERE a1.SSN2 = a2.SSN1
      AND a1.SSN1 = "P1"
```

```
--Q14 (4 réponses)
SELECT DISTINCT a2.SSN2
FROM EstAmi a1, EstAmi a2, Personne xavier
WHERE a1.SSN2 = a2.SSN1
      AND a1.SSN1 = xavier.SSN
      AND xavier.Nom = "Xavier"
```

```
--Q15 (sans tenir compte des amitiés : 8 réponses)
SELECT P1.Nom, P2.Nom
FROM Personne p1, Personne p2
WHERE p1.Sexe = "M"
      AND p2.Sexe = "F"
```

```
--Q15 (en tenant compte des amitiés : 3 réponses)
SELECT P1.Nom, P2.Nom
FROM Personne p1, Personne p2, EstAmi a
WHERE a.SSN1 = p1.SSN
      AND d.SSN2 = p2.SSN
      AND p1.Sexe = "M"
      AND p2.Sexe = "F"
```

```
--Q16 (sans tenir compte des amitiés : 8 réponses)
SELECT P1.Nom, P2.Nom
FROM Personne p1, Personne p2
WHERE p1.Sexe = "M"
      AND p2.Sexe = "F"
ORDER BY (p1.Age + p2.Age)
```

```
--Q16 (en tenant compte des amitiés : 3 réponses)
SELECT P1.Nom, P2.Nom
FROM Personne p1, Personne p2, EstAmi a
WHERE a.SSN1 = p1.SSN
      AND d.SSN2 = p2.SSN
      AND p1.Sexe = "M"
      AND p2.Sexe = "F"
ORDER BY (p1.Age + p2.Age)
```