```
#
# Exo 5
#

SELECT DISTINCT prenom
             FROM enregistrement_etat_civil

(Liz)
(Lohan)
(Lou)
(Louise)
(Luc)
... (2059 de plus)

------------------

SELECT SUM(nombre)
             FROM enregistrement_etat_civil

(311109)

------------------

SELECT COUNT(DISTINCT prenom)
             FROM enregistrement_etat_civil

(2064)

------------------

SELECT annee,SUM(nombre)
             FROM enregistrement_etat_civil
             GROUP BY annee

(2004, 30780)
(2005, 30356)
(2006, 31043)
(2007, 30155)
(2008, 30848)
(2009, 31809)
(2010, 32071)
(2011, 31878)
(2012, 31051)
(2013, 31118)

------------------

SELECT prenom,annee,SUM(nombre) as s
             FROM enregistrement_etat_civil
             GROUP BY prenom,annee
             HAVING s>=300

(Adam, 2012, 340)
(Adam, 2013, 330)
(Alexandre, 2004, 319)
(Alexandre, 2005, 329)
(Alexandre, 2006, 309)
(Arthur, 2010, 302)
(Arthur, 2011, 306)
(Gabriel, 2007, 313)
(Gabriel, 2008, 316)
(Gabriel, 2009, 350)
(Gabriel, 2010, 398)
(Gabriel, 2011, 374)
(Gabriel, 2012, 370)
(Gabriel, 2013, 381)
(Louise, 2009, 322)
(Louise, 2010, 335)
(Louise, 2011, 306)
```

```
(Louise, 2012, 306)
(Louise, 2013, 347)
(Raphaël, 2006, 314)
(Raphaël, 2007, 303)
(Raphaël, 2011, 300)

------------------

SELECT prenom,SUM(nombre) as somme
             FROM enregistrement_etat_civil
             GROUP BY prenom
             HAVING somme>=2000

(Adam, 2619)
(Alexandre, 2748)
(Antoine, 2116)
(Arthur, 2633)
(Camille, 2580)
(Chloe, 2147)
(Emma, 2372)
(Gabriel, 3278)
(Inès, 2259)
(Louis, 2526)
(Louise, 2788)
(Maxime, 2066)
(Paul, 2519)
(Raphaël, 2875)
(Sarah, 2171)
(Thomas, 2010)
(Victor, 2010)

------------------

#
# Exo 6
#

SELECT SUM(nombre)
             FROM enregistrement_etat_civil
             WHERE sexe = 'F'

(149345)

------------------

SELECT *
             FROM enregistrement_etat_civil
             WHERE prenom LIKE "st%ne"
             ORDER BY annee

(Stephane, 18, M, 2004)
(Stephane, 7, M, 2005)
(Stephane, 14, M, 2006)
(Stephane, 11, M, 2007)
(Stephane, 10, M, 2008)
(Stephane, 7, M, 2009)
(Stephane, 11, M, 2010)
(Stephane, 5, M, 2011)
(Stephane, 5, M, 2012)
(Stéphane, 6, M, 2013)

------------------

SELECT SUM(nombre)
             FROM enregistrement_etat_civil
             WHERE prenom LIKE "st%ne"

(94)
```

```
------------------

SELECT SUM(nombre)
            FROM enregistrement_etat_civil
            WHERE prenom LIKE "françois"

(252)

------------------

SELECT SUM(nombre)
            FROM enregistrement_etat_civil
            WHERE prenom = "Antonio"

(11)

------------------

SELECT annee,COUNT(DISTINCT prenom)
            FROM enregistrement_etat_civil
            GROUP BY annee

(2004, 1005)
(2005, 1021)
(2006, 1055)
(2007, 1028)
(2008, 1037)
(2009, 1103)
(2010, 1112)
(2011, 1245)
(2012, 1252)
(2013, 1264)

------------------

SELECT prenom
            FROM enregistrement_etat_civil
            GROUP BY prenom
            HAVING SUM(nombre)=100

(Coumba)
(Cyril)
(Eyal)
(Laurent)
(Mayeul)
(Ombeline)
(Youcef)

------------------

SELECT prenom,sum(nombre) AS s
            FROM enregistrement_etat_civil
            GROUP BY prenom
            ORDER BY s DESC

(Gabriel, 3278)
(Raphaël, 2875)
(Louise, 2788)
(Alexandre, 2748)
(Arthur, 2633)
... (2059 de plus)

------------------

SELECT p,max(s)
            FROM (SELECT prenom AS p,sum(nombre) AS s
                FROM enregistrement_etat_civil
                GROUP BY prenom)
```

```
(Gabriel, 3278)

------------------

SELECT prenom,sum(nombre) AS s
            FROM enregistrement_etat_civil
            WHERE sexe = 'F'
            GROUP BY prenom
            ORDER BY s DESC

(Louise, 2788)
(Camille, 2509)
(Emma, 2372)
(Inès, 2259)
(Sarah, 2171)
... (1065 de plus)

------------------

SELECT p,max(s)
            FROM (SELECT prenom AS p,sum(nombre) AS s
                FROM enregistrement_etat_civil
                WHERE sexe = "F"
                GROUP BY prenom)

(Louise, 2788)

------------------

SELECT prenom,sum(nombre) AS s
            FROM enregistrement_etat_civil
            GROUP BY prenom
            ORDER BY s

(Abd, 5)
(Abdourahmane, 5)
(Abdramane, 5)
(Achraf, 5)
(Adib, 5)
(Aglaé, 5)
(Aidan, 5)
(Aiden, 5)
(Aissatou, 5)
(Albéric, 5)
... (2054 de plus)

------------------

SELECT p,min(s)
            FROM (SELECT prenom AS p,sum(nombre) AS s
                FROM enregistrement_etat_civil
                GROUP BY prenom)

(Abd, 5)

# Quand il n'y a pas unicité, impossible de le savoir avec cette requête

------------------

#
# Exo 8
#

SELECT nom,prenom
            FROM profs

(Théron, Pierre)
(Brun, Jules)
(Durix, Marcel)
```

```
(Gerbaud, Philippe)
(Cossard, Edouard)
... (5 de plus)

------------------

SELECT nom,prenom
            FROM eleves

(Lions, Jacques-Louis)
(Laurent, Jean)
(Chabert, Gilles)
(Blanchard, )
(Fouques, Alfred)
... (24 de plus)

------------------

SELECT count(*)
            FROM colles
            WHERE note=20

(44)

------------------

SELECT count(*)
            FROM colles
            WHERE note<=6

(42)

------------------

#
# Exo 9
#

SELECT semaine,note
            FROM colles JOIN eleves
            ON eleve=ide
            WHERE nom='Lions' ORDER BY semaine

(1, 19)
(2, 10)
(3, 15)
(4, 17)
(5, 6)
(6, 15)
(7, 17)
(8, 10)
(9, 11)
(10, 15)
(11, 12)
(12, 20)
(13, 16)
(14, 16)
(15, 10)
(16, 10)
(17, 19)
(18, 14)
(19, 7)
(20, 11)
(21, 15)
(22, 12)
(23, 7)
(24, 19)
(25, 8)
```

```
------------------

SELECT p.nom,semaine,note
            FROM colles JOIN eleves e JOIN profs p
            ON eleve = ide and prof = idp
            WHERE e.nom='Lions' ORDER BY semaine

(Théron, 1, 19)
(Poix, 2, 10)
(Fouché, 3, 15)
(Durrande, 4, 17)
(Jacob, 5, 6)
... (20 de plus)

------------------

SELECT e.nom, p.nom,note,semaine
            FROM colles JOIN eleves e JOIN profs p
            ON eleve = ide and prof = idp
            WHERE note>=19 ORDER BY semaine

(Lions, Théron, 19, 1)
(Roumieu, Gerbaud, 19, 1)
(Portier, Cossard, 19, 1)
(Abadie, Devisme, 19, 1)
(Lagrange, Devisme, 19, 1)
... (91 de plus)

------------------

#
# Exo 10
#

SELECT AVG(note)
            FROM colles JOIN eleves
            ON eleve=ide
            WHERE nom='Lions'

(13.24)

------------------

SELECT eleve,nom,AVG(note)
            FROM colles JOIN eleves e
            ON eleve=ide
            GROUP BY eleve

(0, Lions, 13.24)
(1, Laurent, 13.36)
(2, Chabert, 11.68)
(3, Blanchard, 11.84)
(4, Fouques, 11.56)
(5, Cerf, 13.04)
(6, Godefroy, 12.24)
(7, Aragnol, 13.52)
(8, Bernard, 11.68)
(9, Roumieu, 13.24)
(10, Malatian, 13.04)
(11, Pougnet, 13.12)
(12, Portier, 12.6)
(13, Ardon, 12.0)
(14, Donedu, 14.8)
(15, Abadie, 13.6)
(16, Lagrange, 11.52)
(17, Lenoir, 12.76)
(18, Lannou, 14.6)
(19, Malgrange, 13.08)
(20, Gillet, 12.52)
```

```
(21, Courty, 14.12)
(22, Noyer, 12.6)
(23, Guérindon, 14.16)
(24, Crubellier, 12.92)
(25, Falgas, 13.0)
(26, Avignant, 13.8)
(27, Ferré, 11.68)
(28, Lecomte, 13.6)

------------------

# D'abord en trichant :-)

SELECT AVG(note)
            FROM colles

(12.9282758621)

------------------

SELECT AVG(moyenne)
            FROM (SELECT AVG(note) as moyenne
                  FROM colles JOIN eleves e
                  ON eleve=ide
                  GROUP BY eleve)

(12.9282758621)

------------------

SELECT nom,count(*) AS plantages
            FROM eleves JOIN colles
            ON eleve = ide
            WHERE note<10
            GROUP BY ide
            HAVING plantages>10

(Chabert, 11)
(Fouques, 13)
(Lagrange, 11)

------------------

# Vérifions

SELECT semaine,note
            FROM colles JOIN eleves
            ON eleve=ide
            WHERE nom='Chabert' ORDER BY semaine

(1, 6)
(2, 6)
(3, 19)
(4, 7)
(5, 8)
(6, 18)
(7, 11)
(8, 12)
(9, 18)
(10, 19)
(11, 9)
(12, 7)
(13, 11)
(14, 14)
(15, 8)
(16, 20)
(17, 16)
(18, 9)
(19, 14)
```

```
(20, 8)
(21, 6)
(22, 12)
(23, 12)
(24, 8)
(25, 14)

------------------

SELECT nom,AVG(note) AS moyenne
            FROM eleves JOIN colles
            ON eleve = ide
            GROUP BY ide
            HAVING moyenne>=14

(Donedu, 14.8)
(Lannou, 14.6)
(Courty, 14.12)
(Guérindon, 14.16)

------------------

SELECT nom,count(*) AS yeah
            FROM eleves JOIN colles
            ON eleve = ide
            WHERE note>18
            GROUP BY ide
            HAVING yeah>=6

(Donedu, 9)
(Lannou, 7)
(Guérindon, 7)

------------------

SELECT semaine,note
            FROM colles JOIN eleves
            ON eleve=ide
            WHERE nom='Donedu' ORDER BY note DESC

(13, 20)
(15, 20)
(18, 20)
(23, 20)
(24, 20)
(3, 19)
(11, 19)
(16, 19)
(17, 19)
(10, 18)
... (15 de plus)

------------------
#
# Exo 13
#

SELECT c1.nom, sc1, c2.nom, sc2
            FROM clubs c1 JOIN matchs  JOIN clubs c2
            ON c1.idc = eq1 AND c2.idc=eq2
            WHERE c1.nom="Real Madrid" OR c2.nom="Real Madrid"

(Olympique Lyonnais, 0, Real Madrid, 1)
(Real Madrid, 1, En Avant Guingamp, 1)
(Olympique Lyonnais, 1, Real Madrid, 2)
(Real Madrid, 2, Barcelone, 0)
(Real Madrid, 1, Juventus de Turin, 2)
(Inter de Milan, 2, Real Madrid, 2)
(Real Madrid, 2, Bayern Munich, 2)
```

```
(Real Madrid, 2, Olympique Lyonnais, 2)
(Real Madrid, 0, Inter de Milan, 1)
(Manchester United, 1, Real Madrid, 0)
... (707 de plus)

------------------

SELECT annee,jour,c1.nom, sc1, c2.nom, sc2
                FROM clubs c1 JOIN matchs  JOIN clubs c2
                ON c1.idc = eq1 AND c2.idc=eq2
                WHERE c2.nom LIKE '%guin%' AND sc2>=2 AND sc1>=sc2

(1971, 222, Juventus de Turin, 2, En Avant Guingamp, 2)
(1972, 33, Inter de Milan, 3, En Avant Guingamp, 2)
(1974, 84, Inter de Milan, 2, En Avant Guingamp, 2)
(1974, 163, Paris Saint-Germain, 2, En Avant Guingamp, 2)
(1975, 280, Manchester United, 2, En Avant Guingamp, 2)
(1976, 197, Juventus de Turin, 3, En Avant Guingamp, 2)
(1976, 24, Manchester United, 3, En Avant Guingamp, 2)
(1976, 142, Milan AC, 2, En Avant Guingamp, 2)
(1976, 36, Inter de Milan, 4, En Avant Guingamp, 3)
(1976, 297, Olympique Lyonnais, 2, En Avant Guingamp, 2)
... (41 de plus)

------------------

SELECT COUNT(*)
                FROM clubs c1 JOIN matchs JOIN clubs c2
                ON c1.idc = eq1 AND c2.idc=eq2
                WHERE (c1.pays="FRA" AND c2.pays="ITA" AND sc1>=4)
                  OR (c2.pays="FRA" AND c1.pays="ITA" AND sc2>=4)

(10)

------------------

# Voyons cela de plus près...

SELECT annee,jour,c1.nom, sc1, c2.nom, sc2
                FROM clubs c1 JOIN matchs JOIN clubs c2
                ON c1.idc = eq1 AND c2.idc=eq2
                WHERE (c1.pays="FRA" AND c2.pays="ITA" AND sc1>=4)
                  OR (c2.pays="FRA" AND c1.pays="ITA" AND sc2>=4)

(1972, 339, Paris Saint-Germain, 4, Inter de Milan, 0)
(1974, 174, En Avant Guingamp, 5, Milan AC, 0)
(1976, 230, Milan AC, 0, Olympique Lyonnais, 4)
(1979, 266, Paris Saint-Germain, 4, Milan AC, 2)
(1980, 143, Olympique Lyonnais, 4, Milan AC, 0)
(1984, 258, Olympique de Marseille, 4, Juventus de Turin, 0)
(1991, 13, Olympique de Marseille, 4, Milan AC, 0)
(1993, 303, Paris Saint-Germain, 4, Milan AC, 2)
(2005, 94, Inter de Milan, 1, Olympique Lyonnais, 4)
(2006, 261, Inter de Milan, 1, Olympique Lyonnais, 4)

------------------
```