

Exercices SQL1

- **exo_1 :**

A\

```
SELECT r.TITRE_REPRESENTATION
FROM representation AS r
```

B\

```
SELECT r.TITRE_REPRESENTATION
FROM representation AS r
WHERE r.LIEU = 'Bastille'
```

C\

```
SELECT m.NOM, r.TITRE_REPRESENTATION
FROM musicien AS m
INNER JOIN representation AS r
      ON m.N°REPRESENTATION = r.N°REPRESENTATION
```

D\

```
SELECT r.TITRE_REPRESENTATION, r.LIEU, p.TARIF
FROM representation AS r
INNER JOIN programmer AS p
      ON r.N°REPRESENTATION = p.N°REPRESENTATION
WHERE p.DATE = '14/09/2014'
```

- **exo_2 :**

A\

```
SELECT COUNT(e.N°ETUDIANT)
FROM etudiant AS e
```

B\

```
SELECT MAX(e.NOTE), MIN(e.NOTE)
FROM evaluer AS e
```

C\

```
CREATE VIEW moyenne
AS SELECT et.NOM, m.LIBELLEMAT, AVG(ev.NOTE)
FROM evaluer AS ev
INNER JOIN etudiant AS et
      ON ev.N°ETUDIANT = et.N°ETUDIANT
INNER JOIN matiere AS m
      ON ev.CODEMAT = m.CODEMAT
GROUP BY et.NOM, m.LIBELLEMAT
```

```
SELECT * FROM moyenne
ORDER BY et.NOM DESC
```

D\

```
SELECT m.LIBELLEMAT, AVG(ev.NOTE)
FROM matiere AS m
INNER JOIN evaluer AS ev
      ON m.CODEMAT = ev.CODEMAT
GROUP BY m.LIBELLEMAT
```

E\

```
CREAT VIEW moyenne
AS SELECT et.NOM, AVG(ev.NOTE)
FROM evaluer AS ev
INNER JOIN etudiant AS et
    ON ev.N°ETUDIANT = et.N°ETUDIANT
GROUP BY et.NOM
```

```
SELECT * FROM moyenne
ORDER BY et.NOM DESC
```

F\

```
SELECT AVG(ev.NOTE)
FROM evaluer AS ev
```

G\

```
SELECT et.NOM,
FROM evaluer AS ev
INNER JOIN etudiant AS et
    ON ev.N°ETUDIANT = et.N°ETUDIANT
WHERE (SUM(ev.NOTE) / COUNT(et.N°ETUDIANT)) > (SUM(ev.NOTE) / COUNT(ev.NOTE))
GROUP BY et.NOM
ORDER BY et.NOM DESC
```

- **exo_3 :**

A\

```
SELECT a.NOART, a.LIBELLE
FROM article AS a
WHERE a.STOCK < 10
```

B\

```
SELECT a.LIBELLE
FROM article AS a
WHERE a.PRIXINVENT > 100 AND a.PRIXINVENT < 300
```

C\

```
SELECT f.NOMFOUR
FROM fournisseurs AS f
WHERE f.ADRFOUR IS NULL
```

D\

```
SELECT f.NOMFOUR
FROM fournisseurs AS f
WHERE f.ADRFOUR LIKE 'STE%'
```

E\

```
SELECT f.NOMFOUR, f.ADRFOUR
FROM fournisseurs AS f
INNER JOIN achter AS ac
    ON f.NOFOUR = ac.NOFOUR
WHERE ac.DELAI > 20
```

F\

```
SELECT COUNT(a.NOART)
FROM articles AS a
```

G\

```
SELECT SUM(a.PRIXINVENT)
FROM articles AS a
```

H\

```
SELECT a.NOART, a.LIBELLE
FROM articles AS a
ORDER BY a.STOCK DESC
```

I\

```
SELECT ar.NOART, ar.LIBELLE, MAX(ac.PRIXACHAT), MIN(ac.PRIXACHAT)
FROM articles AS ar
INNER JOIN acheter AS ac
      ON ar.NOART = ac.NOART
GROUP BY ar.LIBELLE
```

J\

```
SELECT AVG(ac.DELAI)
FROM acheter AS ac
INNER JOIN fournisseurs AS f
      ON ac.NOFOUR = f.NOFOUR
INNER JOIN articles AS ar
      ON f.NOART = ar.NOART
WHERE COUNT(ar.NOART) > 2
```

- **exo_4 :**

A\

```
SELECT e.NOM
FROM etudiant AS e
```

B\

```
SELECT e.NOM
FROM etudiant AS e
ORDER BY e.NOM DESC
```

C\

```
SELECT m.LIBELLE, CONCAT(m.COEFF, '%')
FROM matiere AS m
```

D\

```
SELECT e.NOM, e.PRENOM
FROM etudiant AS e
```

E\

```
SELECT e.NOM, e.PRENOM
FROM etudiant AS e
WHERE e.VILLE = 'Lyon'
```

F\

```
SELECT n.NOTE
FROM notation AS n
WHERE n.NOTE >= 10
```

G\

```
SELECT e.NUMEPREUVE
FROM epreuve AS e
WHERE e.DATEPREUVE > '2014-01-01' AND e.DATEPREUVE < '2014-06-30'
```

H\

```
SELECT e.NOM, e.PRENOM, LOCATE('ll', e.VILLE)
FROM etudiant AS e
WHERE LOCATE('ll', e.VILLE) > 0
```

I\

```
SELECT e.PRENOM
FROM etudiant AS e
WHERE e.PRENOM IN ('Dupont', 'Durand', 'Martin')
```

J\

```
SELECT SUM(m.COEF)
FROM matiere AS m
```

K\

```
SELECT COUNT(e.NUMEPREUVE)
FROM epreuve AS e
```

L\

```
SELECT n.NOTE
FROM notation AS n
WHERE n.NOTE IS NULL
```

M\

```
SELECT e.NUMEPREUVE, e.DATEPREUVE, e.LIEU, m.LIBELLE
FROM epreuve AS e
INNER JOIN matiere AS m
    ON e.CODEMAT = m.CODEMAT
```

N\

```
SELECT n.NOTE, e.NOM, e.PRENOM
FROM note AS n
INNER JOIN etudiant AS e
    ON n.NUMETU = e.NUMETU
```

O\

```
SELECT n.NOTE, e.NOM, e.PRENOM, m.LIBELLE
FROM etudiant AS e
INNER JOIN note AS n
    ON n.NUMETU = e.NUMETU
INNER JOIN epreuve AS e
    ON n.NUMEPREUVE = e.NUMEPREUVE
INNER JOIN matiere AS m
    ON e.CODEMAT = m.CODEMAT
```

P\

```
SELECT e.NOM, e.PRENOM
FROM etudiant AS e
INNER JOIN note AS n
      ON n.NUMETU = e.NUMETU
WHERE n.NOTE = 20
```

Q\

```
SELECT e.NOM, e.PRENOM, AVG(n.NOTE)
FROM etudiant AS e
INNER JOIN note AS n
      ON n.NUMETU = e.NUMETU
GROUP BY e.NOM
```

R\

```
SELECT e.NOM, e.PRENOM, AVG(n.NOTE)
FROM etudiant AS e
INNER JOIN notation AS n
      ON n.NUMETU = e.NUMETU
GROUP BY e.NOM
ORDER BY AVG(n.NOTE) DESC
```

S\

```
SELECT m.LIBELLE, AVG(n.NOTE)
FROM notation AS n
INNER JOIN epreuve AS e
      ON n.NUMEPREUVE = e.NUMEPREUVE
INNER JOIN matiere AS M
      ON e.CODEMAT = m.CODEMAT
WHERE COUNT(e.NUMEPREUVE) > 1
GROUP BY m.LIBELLE
```

T\

```
SELECT e.NUMEPREUVE, AVG(n.NOTE)
FROM etudiant AS e
INNER JOIN notation AS n
      ON n.NUMETU = e.NUMETU
INNER JOIN epreuve AS e
      ON n.NUMEPREUVE = e.NUMEPREUVE
WHERE COUNT(n.NUMETU)
GROUP BY e.NUMEPREUVE
```

- **exo_5 :**

A\

```
INSERT INTO fournisseur (NomF, Statut, VilleF)
VALUES ('Hilty', 'SL', 'Strasbourg')
```

B\

```
DELET FROM produit AS p
WHERE p.COLOR = 'noir' AND p.NUMP > 100 AND p.NUMP < 1999
```

C\

```
UPDATE fournisseur
SET VILLEF = 'Mulhouse',
WHERE NUMF = 2
```