

# SAE 1.04 - Livrable 3 : Jeu de données et requêtes SQL

## Requêtes SQL :

### Légende :

Bleu : en Français

Noir : requêtes SQL

### Requête numéro 1 :

Tous les pseudos des joueurs, leur jeu et leur structure, et leur salaire (trié par ordre décroissant)

```
SELECT salaire,pseudo,jeu,nomStructure FROM joueur JOIN Roasters on joueur.idR=roasters.idR JOIN Structures ON roasters.numStructure=Structures.numStructure ORDER BY salaire DESC
```

SALAIRE	PSEUDO	JEU	NOMSTRUCTURE
5620	Rekkles	Fortnite	KCorp
3210	ZywOo	Fortnite	Fnatic
2820	Glutonny	LoL	Solary
2310	Skyflooze	Valorant	TeamLiquid
1800	kazoomaster	LoL	Vitality
1620	Hans Sama	COD	Fnatic
1500	Kyucraft	LoL	Vitality
1500	Faker	LoL	G2esports
1400	Eroiles	COD	FazeClan
300	Luxuus	CS:GO	Cloud9

### Requête numéro 2 :

Les pseudos des joueurs qui jouent à LoL dans la structure Vitality

```
SELECT pseudo FROM joueur JOIN Roasters ON joueur.idR=roasters.idR WHERE jeu='LoL' AND numStructure=(SELECT numStructure FROM Structures WHERE nomStructure='Vitality')
```

PSEUDO
Kyucraft
kazoomaster

### Requête numéro 3 :

Le prénom du joueur qui a le meilleur salaire dans la structure Vitality

REINER Killian  
RAMIREZ Célyan  
NOEL Tony  
FRACHE Axel

```
SELECT prenom FROM Joueur WHERE salaire=(SELECT MAX(salaire)
FROM Joueur j JOIN Roasters r ON j.idR=r.idR JOIN Structures s ON
r.numStructure=s.numStructure WHERE nomStructure='Vitality');
```

PRENOM

#### Requête numéro 4 :

Les fournisseurs qui fournissent des PC aux compétitions LEC et ESL

```
SELECT nomE FROM Fournisseurs JOIN Fournit ON fournisseurs.numf
= fournit.numf JOIN materiel ON fournit.np = materiel.np JOIN detient
ON materiel.np = detient.np JOIN competition ON detient.numc =
competition.numc WHERE materiel.lib = 'PC' AND competition.nom =
'LEC'
```

INTERSECT

```
SELECT nomE FROM Fournisseurs JOIN Fournit ON fournisseurs.numf
= fournit.numf JOIN materiel ON fournit.np = materiel.np JOIN detient
ON materiel.np = detient.np JOIN competition ON detient.numc =
competition.numc WHERE materiel.lib = 'PC' AND competition.nom =
'ESL';
```

NOME

Intel  
Logitech  
MSI

#### Requête numéro 5 :

Quelle est la structure qui reçoit le plus de type de matériels différents

```
SELECT nomStructure FROM
(SELECT s.nomStructure, COUNT(m.nP) AS nbProduits FROM
Structures s JOIN Possede p ON s.numStructure=p.numStructure
JOIN Materiel m ON p.nP=m.nP
GROUP BY nomStructure)
WHERE nbProduits=(SELECT max(nbProduits) FROM (SELECT
s.nomStructure, COUNT(m.nP) AS nbProduits FROM Structures s JOIN
```

REINER Killian  
RAMIREZ Célyan  
NOEL Tony  
FRACHE Axel

Possede p ON s.numStructure=p.numStructure JOIN Materiel m ON p.nP=m.nP GROUP BY nomStructure));

NOMSTRUCTURE

G2esports

**Requête numéro 6 :**

Quel est le nombre de compétitions dans chaque ville

SELECT nomV,COUNT(\*) as NbCompet FROM Villes v JOIN Competition c ON c.numV=v.numV GROUP BY nomV

NOMV	NBCOMPET
Marseille	1
Roubaix	1
Lille	1
Saint-Denis	1
Montpellier	1
Lyon	1
Strasbourg	1
Bordeaux	1
Paris	1
Toulouse	1

**Requete numéro 7:**

Dans quelles villes, le cashprize et le nom des compétitions où participe G2esports, trié par ordre croissant du cashprize

SELECT nomV FROM Villes v  
 JOIN Competition c ON v.numV=c.numV  
 JOIN Participe p ON c.numC=p.numC  
 JOIN Roasters r ON p.idR=r.idR  
 JOIN Structures s ON r.numStructure=s.numStructure WHERE  
 nomStructure='G2esports' ORDER BY cashprize ASC;

Montpellier  
 Saint-Denis  
 Paris

NOMV

**Requête numéro 8 :**

Les prénoms et noms des joueurs ne jouant pas à LoL

SELECT prenom,nom FROM joueur JOIN roasters ON joueur.idr = roasters.idr

MINUS  
 REINER Killian  
 RAMIREZ Célyan  
 NOEL Tony  
 FRACHE Axel

```
SELECT prenom,nom FROM joueur JOIN roasters ON joueur.idr =
roasters.idr WHERE jeu='LoL';
```

PRENOM	NOM
Célyan	Ramirez
Martin	Larsson
Mathieu	Herbaut
Rayenne	Guendil
Steven	Liv
Tony	Noel

### Requête numéro 9 :

Quel est le sponsor qui approvisionne le plus de souris

```
SELECT nomSponsor FROM (SELECT nomSponsor,COUNT(m.nP) AS
nbSouris FROM Sponsors s
JOIN Approvisionne a ON s.numSponsor=a.numSponsor
JOIN Materiel m ON a.nP=m.nP WHERE lib='Souris' OR lib='souris'
GROUP BY nomSponsor)
WHERE nbSouris=(SELECT MAX(nbSouris) FROM (SELECT
s.nomSponsor, COUNT(m.nP) AS nbSouris FROM Sponsors s
JOIN Approvisionne a ON s.numSponsor=a.numSponsor
JOIN Materiel m ON a.nP=m.nP WHERE lib='Souris' OR lib='souris'
GROUP BY nomSponsor));
```

NOMSPONSOR
Acer

### Requête numéro 10:

Les joueurs qui ont participé à une compétition à Montpellier ou à Marseille

```
SELECT joueur.prenom, joueur.nom FROM joueur JOIN participe ON
joueur.idr = participe.idr JOIN competition ON participe.numc =
competition.numc JOIN villes ON competition.numv = villes.numv
WHERE villes.nomv = 'Montpellier'
UNION
SELECT joueur.prenom, joueur.nom FROM joueur JOIN participe ON
joueur.idr = participe.idr JOIN competition ON participe.numc =
competition.numc JOIN villes ON competition.numv = villes.numv
WHERE villes.nomv = 'Marseille'
```

REINER Killian  
RAMIREZ Célyan  
NOEL Tony  
FRACHE Axel

PRENOM	NOM
Killian	Reiner
Lee	Sang-Hyeok

## Script d'insertion des tuples :

```
INSERT INTO Structures VALUES(1,'Vitality');
INSERT INTO Structures VALUES(2,'Cloud9');
INSERT INTO Structures VALUES(3,'TeamLiquid');
INSERT INTO Structures VALUES(4,'FazeClan');
INSERT INTO Structures VALUES(5,'G2esports');
INSERT INTO Structures VALUES(6,'Envy');
INSERT INTO Structures VALUES(7,'Fnatic');
INSERT INTO Structures VALUES(8,'KCorp');
INSERT INTO Structures VALUES(9,'LeStream Esport');
INSERT INTO Structures VALUES(10,'Solary');
```

```
INSERT INTO Roasters VALUES(1,'LoL','10/12/2015',1);
INSERT INTO Roasters VALUES(2,'LoL','5/08/2017',1);
INSERT INTO Roasters VALUES(3,'CS:GO','18/10/2016',2);
INSERT INTO Roasters VALUES(4,'COD','10/01/2018',7);
INSERT INTO Roasters VALUES(5,'Fortnite','10/12/2015',7);
INSERT INTO Roasters VALUES(6,'Valorant','05/03/2017',3);
INSERT INTO Roasters VALUES(7,'CS:GO','21/09/2020',6);
INSERT INTO Roasters VALUES(8,'COD','10/12/2015',4);
INSERT INTO Roasters VALUES(9,'LoL','01/01/2021',5);
INSERT INTO Roasters VALUES(10,'Fortnite','10/10/2014',8);
INSERT INTO Roasters VALUES(11,'Valorant','10/12/2020',9);
INSERT INTO Roasters VALUES(12,'LoL','25/05/2019',10);
```

```
INSERT INTO Villes VALUES (1,'Paris',75,'France',2000000);
INSERT INTO Villes VALUES (2,'Montpellier',34,'France',300000);
INSERT INTO Villes VALUES (3,'Lyon',69,'France',500000);
INSERT INTO Villes VALUES (4,'Marseille',13,'France',900000);
INSERT INTO Villes VALUES (5,'Strasbourg',67,'France',300000);
INSERT INTO Villes VALUES (6,'Lille',59,'France',250000);
INSERT INTO Villes VALUES (7,'Bordeaux',33,'France',250000);
INSERT INTO Villes VALUES (8,'Roubaix',59,'France',100000);
```

REINER Killian  
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NOEL Tony  
FRACHE Axel

```
INSERT INTO Villes VALUES (9,'Toulouse',31,'France',500000);
INSERT INTO Villes VALUES (10,'Saint-Denis',974,'France',150000);
```

```
INSERT INTO Joueur VALUES
(1,'Killian','Reiner','Kyucraft',18,'10/12/2015',1500,1);
INSERT INTO Joueur
VALUES(2,'Célyan','Ramirez','Skyflooze',18,'02/10/2019',2310,6);
INSERT INTO Joueur VALUES
(3,'Axel','Frache','kazoomaster',18,'23/06/2020',1800,2);
INSERT INTO Joueur VALUES
(4,'Tony','Noel','Luxuus',18,'15/05/2021',300,3);
INSERT INTO Joueur VALUES
(5,'William','Belaid','Glutonny',26,'26/03/2012',2820,12);
INSERT INTO Joueur VALUES(6,'Lee','Sang-
Hyeok','Faker',25,'25/01/2013',1500,9);
INSERT INTO Joueur
VALUES(7,'Martin','Larsson','Rekkles',25,'28/12/2021',5620,10);
INSERT INTO Joueur
VALUES(8,'Mathieu','Herbaut','ZywOo',21,'06/09/2017',3210,5);
INSERT INTO Joueur VALUES(9,'Steven','Liv','Hans
Sama',22,'2/07/2014',1620,4);
INSERT INTO Joueur VALUES
(10,'Rayenne','Guendil','Etoiles',25,'25/06/2019',1400,8);
```

```
INSERT INTO Competition VALUES (1,'LEC',4000000,1,'01/08/2022');
INSERT INTO Competition VALUES (2,'ESL',1000000,2,'02/09/2022');
INSERT INTO Competition VALUES (3,'LFL',1000000,3,'01/07/2022');
INSERT INTO Competition VALUES (4,'Worlds
LoL',5000000,4,'01/08/2022');
INSERT INTO Competition VALUES (5,'FNCS',3000000,5,'01/03/2022');
INSERT INTO Competition VALUES (6,'Call of Duty
Championship',2000000,6,'01/12/2022');
INSERT INTO Competition VALUES (7,'Open
Tours',2000000,7,'01/04/2022');
INSERT INTO Competition VALUES (8,'Champions
Tour',4000000,8,'01/05/2022');
```

REINER Killian  
RAMIREZ Célyan  
NOEL Tony  
FRACHE Axel

```
INSERT INTO Competition VALUES (9,'Worlds
Tour',6000000,9,'01/06/2022');
INSERT INTO Competition VALUES (10,'Winter
Championship',3000000,10,'01/10/2022');
```

```
INSERT INTO Sponsors VALUES(1,'Asus');
INSERT INTO Sponsors VALUES(2,'SOG');
INSERT INTO Sponsors VALUES(3,'Acer');
INSERT INTO Sponsors VALUES(4,'Razer');
INSERT INTO Sponsors VALUES(5,'Klim');
INSERT INTO Sponsors VALUES(6,'Logitech');
INSERT INTO Sponsors VALUES(7,'Dell');
INSERT INTO Sponsors VALUES(8,'Auchan');
INSERT INTO Sponsors VALUES(9,'Action');
INSERT INTO Sponsors VALUES(10,'Carrefour');
```

```
INSERT INTO Fournisseurs VALUES(1,'Asus');
INSERT INTO Fournisseurs VALUES(2,'Intel');
INSERT INTO Fournisseurs VALUES(3,'Acer');
INSERT INTO Fournisseurs VALUES(4,'Razer');
INSERT INTO Fournisseurs VALUES(5,'Klim');
INSERT INTO Fournisseurs VALUES(6,'Logitech');
INSERT INTO Fournisseurs VALUES(7,'AMD');
INSERT INTO Fournisseurs VALUES(8,'Nvidia');
INSERT INTO Fournisseurs VALUES(9,'Asrock');
INSERT INTO Fournisseurs VALUES(10,'MSI');
```

```
INSERT INTO Materiel VALUES (1,'Souris','Logitech','G502',49.99);
INSERT INTO Materiel VALUES (2,'Ecran','DELL','X24',89.99);
INSERT INTO Materiel VALUES (3,'Claviers','DELL','M2',39.99);
INSERT INTO Materiel VALUES (4,'PC','MSI','G502',799.99);
INSERT INTO Materiel VALUES (5,'Casque','Razer','Kraken',59.99);
INSERT INTO Materiel VALUES (6,'Casque','Hyper X','Cloud II',69.99);
INSERT INTO Materiel VALUES (7,'PC','ASUS','Vivobook',899.99);
INSERT INTO Materiel VALUES (8,'Ecran','ACER','Nitrosense',149.99);
```

REINER Killian  
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NOEL Tony  
FRACHE Axel

```
INSERT INTO Materiel VALUES (9,'Claviers','Razer','Ornata  
Chroma',119.99);  
INSERT INTO Materiel VALUES (10,'PC','ACER','Aspire 5',499.99);
```

```
INSERT INTO Possede VALUES(1,1);  
INSERT INTO Possede VALUES(2,2);  
INSERT INTO Possede VALUES(3,3);  
INSERT INTO Possede VALUES(4,4);  
INSERT INTO Possede VALUES(5,5);  
INSERT INTO Possede VALUES(6,6);  
INSERT INTO Possede VALUES(7,7);  
INSERT INTO Possede VALUES(8,8);  
INSERT INTO Possede VALUES(9,9);  
INSERT INTO Possede VALUES(10,10);  
INSERT INTO Possede VALUES(1,5);
```

```
INSERT INTO Detient VALUES (1,1);  
INSERT INTO Detient VALUES (1,2);  
INSERT INTO Detient VALUES (1,3);  
INSERT INTO Detient VALUES (1,4);  
INSERT INTO Detient VALUES (2,3);  
INSERT INTO Detient VALUES (2,4);  
INSERT INTO Detient VALUES (2,5);  
INSERT INTO Detient VALUES (2,8);  
INSERT INTO Detient VALUES (3,4);  
INSERT INTO Detient VALUES (3,7);  
INSERT INTO Detient VALUES (3,10);  
INSERT INTO Detient VALUES (4,2);  
INSERT INTO Detient VALUES (4,3);  
INSERT INTO Detient VALUES (4,8);  
INSERT INTO Detient VALUES (4,9);  
INSERT INTO Detient VALUES (5,1);  
INSERT INTO Detient VALUES (6,1);  
INSERT INTO Detient VALUES (6,1);  
INSERT INTO Detient VALUES (6,1);  
INSERT INTO Detient VALUES (7,8);
```

REINER Killian  
RAMIREZ Célyan  
NOEL Tony  
FRACHE Axel



INSERT INTO Detient VALUES (7,9);  
INSERT INTO Detient VALUES (7,10);  
INSERT INTO Detient VALUES (8,1);  
INSERT INTO Detient VALUES (8,2);  
INSERT INTO Detient VALUES (8,3);  
INSERT INTO Detient VALUES (9,3);  
INSERT INTO Detient VALUES (9,9);  
INSERT INTO Detient VALUES (10,1);  
INSERT INTO Detient VALUES (10,4);  
INSERT INTO Detient VALUES (10,7);  
INSERT INTO Detient VALUES (10,10);

INSERT INTO Participe VALUES (1,1);  
INSERT INTO Participe VALUES (2,1);  
INSERT INTO Participe VALUES (9,1);  
INSERT INTO Participe VALUES (12,1);  
INSERT INTO Participe VALUES (1,2);  
INSERT INTO Participe VALUES (9,2);  
INSERT INTO Participe VALUES (3,3);  
INSERT INTO Participe VALUES (7,3);  
INSERT INTO Participe VALUES (1,4);  
INSERT INTO Participe VALUES (5,5);  
INSERT INTO Participe VALUES (10,5);  
INSERT INTO Participe VALUES (4,6);  
INSERT INTO Participe VALUES (8,6);  
INSERT INTO Participe VALUES (6,7);  
INSERT INTO Participe VALUES (11,7);  
INSERT INTO Participe VALUES (6,8);  
INSERT INTO Participe VALUES (11,8);  
INSERT INTO Participe VALUES (6,9);  
INSERT INTO Participe VALUES (11,9);  
INSERT INTO Participe VALUES (1,10);  
INSERT INTO Participe VALUES (2,10);  
INSERT INTO Participe VALUES (9,10);

INSERT INTO Approvisionne VALUES (8,1,'01/02/2022',20);

INSERT INTO Approvisionnement VALUES (9,1,'01/02/2022',30);  
INSERT INTO Approvisionnement VALUES (10,1,'01/02/2022',40);  
INSERT INTO Approvisionnement VALUES (4,2,'01/06/2022',30);  
INSERT INTO Approvisionnement VALUES (7,2,'01/06/2022',30);  
INSERT INTO Approvisionnement VALUES (1,3,'01/03/2022',10);  
INSERT INTO Approvisionnement VALUES (1,3,'01/05/2022',10);  
INSERT INTO Approvisionnement VALUES (10,3,'01/03/2022',10);  
INSERT INTO Approvisionnement VALUES (8,4,'01/09/2022',10);  
INSERT INTO Approvisionnement VALUES (9,4,'01/09/2022',10);  
INSERT INTO Approvisionnement VALUES (6,5,'01/04/2022',10);  
INSERT INTO Approvisionnement VALUES (10,5,'01/04/2022',100);  
INSERT INTO Approvisionnement VALUES (2,6,'01/03/2022',10);  
INSERT INTO Approvisionnement VALUES (4,6,'01/03/2022',10);  
INSERT INTO Approvisionnement VALUES (6,6,'01/03/2022',10);  
INSERT INTO Approvisionnement VALUES (5,7,'01/06/2022',25);  
INSERT INTO Approvisionnement VALUES (7,8,'01/08/2022',25);  
INSERT INTO Approvisionnement VALUES (7,8,'01/08/2022',25);  
INSERT INTO Approvisionnement VALUES (10,8,'01/08/2022',25);  
INSERT INTO Approvisionnement VALUES (9,9,'01/10/2022',25);  
INSERT INTO Approvisionnement VALUES (1,10,'01/09/2022',10);  
INSERT INTO Approvisionnement VALUES (2,10,'01/09/2022',20);  
INSERT INTO Approvisionnement VALUES (3,10,'01/09/2022',30);  
INSERT INTO Approvisionnement VALUES (4,10,'01/09/2022',40);  
INSERT INTO Approvisionnement VALUES (5,10,'31/10/2022',50);

INSERT INTO Fournit VALUES (1,1,'01/01/2022',10);  
INSERT INTO Fournit VALUES (2,1,'02/01/2022',5);  
INSERT INTO Fournit VALUES (3,1,'03/01/2022',15);  
INSERT INTO Fournit VALUES (4,2,'01/02/2022',10);  
INSERT INTO Fournit VALUES (7,3,'01/03/2022',10);  
INSERT INTO Fournit VALUES (8,3,'01/03/2022',10);  
INSERT INTO Fournit VALUES (8,4,'01/09/2022',10);  
INSERT INTO Fournit VALUES (9,4,'01/09/2022',10);  
INSERT INTO Fournit VALUES (6,5,'01/04/2022',10);  
INSERT INTO Fournit VALUES (10,5,'01/04/2022',100);  
INSERT INTO Fournit VALUES (2,6,'01/05/2022',30);

```
INSERT INTO Fournit VALUES (4,6,'01/05/2022',30);
INSERT INTO Fournit VALUES (6,6,'01/05/2022',30);
INSERT INTO Fournit VALUES (5,7,'01/06/2022',25);
INSERT INTO Fournit VALUES (5,8,'01/06/2022',25);
INSERT INTO Fournit VALUES (6,8,'01/06/2022',25);
INSERT INTO Fournit VALUES (10,8,'01/06/2022',25);
INSERT INTO Fournit VALUES (5,9,'01/10/2022',25);
INSERT INTO Fournit VALUES (4,10,'01/07/2022',50);
INSERT INTO Fournit VALUES (5,10,'01/07/2022',50);
INSERT INTO Fournit VALUES (7,10,'01/07/2022',50);
INSERT INTO Fournit VALUES (8,10,'01/07/2022',50);
INSERT INTO Fournit VALUES (10,10,'01/07/2022',50);
```