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

Requêtes SQL:

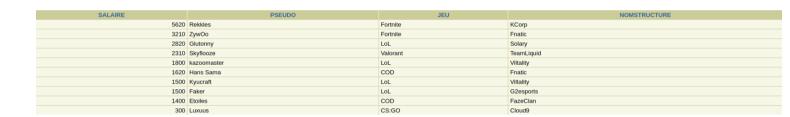
<u>Légende :</u>

Bleu : en Français Noir : requêtes SQL

Requête numéro 1:

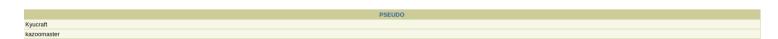
Tous les pseudos des joueurs, leur jeu et leur structure, et leur salaire (trié par ordre décroissant)

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



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='Viltality')



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='Viltality');

PRENOM

xei

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

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

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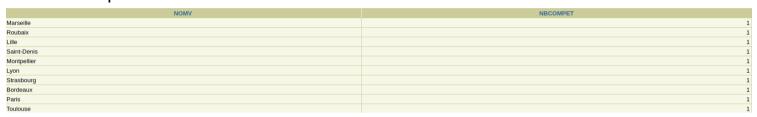
Possede p ON s.numStructure=p.numStructure JOIN Materiel m ON p.nP=m.nP GROUP BY nomStructure));

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



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;

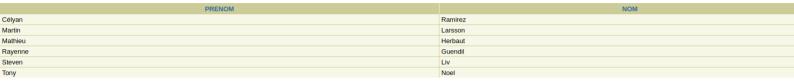
Montpellier Saint-Denis

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



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'

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PRENOM NOM
Killian Reiner

Script d'insertion des tuples :

```
INSERT INTO Structures VALUES(1,'Viltality'):
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
RAMIREZ Célvan
NOEL Tony
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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

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```
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
RAMIREZ Célyan
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NOEL Tony
FRACHE Axel Page n°7 / 11 Groupe : S5

```
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
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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);
```

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```
INSERT INTO Approvisionne VALUES (9,1,'01/02/2022',30);
INSERT INTO Approvisionne VALUES (10,1,'01/02/2022',40);
INSERT INTO Approvisionne VALUES (4,2,'01/06/2022',30):
INSERT INTO Approvisionne VALUES (7,2,'01/06/2022',30);
INSERT INTO Approvisionne VALUES (1,3,'01/03/2022',10);
INSERT INTO Approvisionne VALUES (1,3,'01/05/2022',10);
INSERT INTO Approvisionne VALUES (10,3,'01/03/2022',10);
INSERT INTO Approvisionne VALUES (8,4,'01/09/2022',10);
INSERT INTO Approvisionne VALUES (9,4,'01/09/2022',10);
INSERT INTO Approvisionne VALUES (6.5, '01/04/2022', 10):
INSERT INTO Approvisionne VALUES (10,5,'01/04/2022',100);
INSERT INTO Approvisionne VALUES (2,6,'01/03/2022',10);
INSERT INTO Approvisionne VALUES (4,6,'01/03/2022',10);
INSERT INTO Approvisionne VALUES (6,6,'01/03/2022',10);
INSERT INTO Approvisionne VALUES (5,7,'01/06/2022',25);
INSERT INTO Approvisionne VALUES (7,8,'01/08/2022',25);
INSERT INTO Approvisionne VALUES (7,8,'01/08/2022',25);
INSERT INTO Approvisionne VALUES (10,8,'01/08/2022',25);
INSERT INTO Approvisionne VALUES (9,9,'01/10/2022',25);
INSERT INTO Approvisionne VALUES (1,10,'01/09/2022',10);
INSERT INTO Approvisionne VALUES (2,10,'01/09/2022',20);
INSERT INTO Approvisionne VALUES (3,10,'01/09/2022',30);
INSERT INTO Approvisionne VALUES (4,10,'01/09/2022',40);
INSERT INTO Approvisionne 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);
```

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```
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 (5,9,'01/10/2022',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 (8,10,'01/07/2022',50); INSERT INTO Fournit VALUES (10,10,'01/07/2022',50); INSERT INTO Fournit VALUES (10,10,'01/07/2022',50);
```

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