Requête 1 :

SELECT \* FROM prestation;

id\_prestation type\_prestation

1 Plat principal

2 Plat + Dessert

3 Entrée + Plat

4 Supplément Entrée

5 Supplément dessert

6 Repas complet

7 Alcool

8 Apéritif

9 Soda

Requête 2 :

SELECT u.\* , c.libelle\_categorie

FROM usager AS u

NATURAL JOIN categorie AS c;

id\_carte nom id\_categorie montant\_caution date\_carte libelle\_categorie

C1 Nina Mcdowell 3 6 2022-08-27 Gros revenus

C10 Francesca Briggs 2 9 2022-08-16 Revenus moyens

C11 Abdul Weiss 2 9 2022-09-19 Revenus moyens

C12 Rinah Reilly 1 8 2022-09-11 Petits revenus

C13 Kimberley Bryan 1 9 2022-09-17 Petits revenus

C14 Galena Keller 1 7 2022-08-16 Petits revenus

C15 Francesca Briggs 1 9 2022-08-16 Petits revenus

C2 Murphy Lane 2 9 2022-08-15 Revenus moyens

C3 Hillary Garza 2 7 2022-09-07 Revenus moyens

C4 Ciaran Ball 3 6 2022-09-11 Gros revenus

C5 Kirsten Norton 3 7 2022-09-28 Gros revenus

C6 Abdul Weiss 3 9 2022-09-19 Gros revenus

C7 Rinah Reilly 1 8 2022-09-11 Petits revenus

C8 Kimberley Bryan 3 9 2022-09-17 Gros revenus

C9 Galena Keller 4 7 2022-08-16 Visiteurs

Requête 3 :

SELECT u.nom , u.id\_carte

FROM usager as u;

nom id\_carte

Nina Mcdowell C1

Francesca Briggs C10

Abdul Weiss C11

Rinah Reilly C12

Kimberley Bryan C13

Galena Keller C14

Francesca Briggs C15

Murphy Lane C2

Hillary Garza C3

Ciaran Ball C4

Kirsten Norton C5

Abdul Weiss C6

Rinah Reilly C7

Kimberley Bryan C8

Galena Keller C9

Requête 4 :

CREATE VIEW Moyenne\_depot AS (

SELECT AVG(d.montant) AS moyenne\_depot

FROM depot AS d

);

27.2414

Requête 5 :

SELECT MAX(montant) AS montant\_maximum

FROM depot;

80

Requête 6 :

CREATE VIEW depot\_usager AS (

SELECT depot.montant , usager.nom

FROM depot

NATURAL JOIN usager

ORDER BY depot.id\_carte

);

SELECT \* FROM depot\_usager;

montant nom

5 Nina Mcdowell

30 Nina Mcdowell

5 Francesca Briggs

25 Francesca Briggs

25 Francesca Briggs

30 Francesca Briggs

30 Rinah Reilly

80 Rinah Reilly

20 Kimberley Bryan

40 Kimberley Bryan

20 Galena Keller

30 Galena Keller

30 Francesca Briggs

30 Francesca Briggs

45 Francesca Briggs

15 Murphy Lane

20 Murphy Lane

30 Murphy Lane

40 Hillary Garza

20 Ciaran Ball

30 Ciaran Ball

60 Abdul Weiss

5 Rinah Reilly

20 Rinah Reilly

30 Rinah Reilly

Requête 7 :

SELECT nom

FROM usager

WHERE montant\_caution >10;

SQL a retourné vide.

Requête 8 :

SELECT nom,id\_categorie

FROM usager

ORDER BY id\_categorie;

nom id\_categorie

Rinah Reilly 1

Kimberley Bryan 1

Galena Keller 1

Francesca Briggs 1

Rinah Reilly 1

Francesca Briggs 2

Abdul Weiss 2

Murphy Lane 2

Hillary Garza 2

Nina Mcdowell 3

Ciaran Ball 3

Kirsten Norton 3

Abdul Weiss 3

Kimberley Bryan 3

Galena Keller 4

Requête 9 :

SELECT u.nom

FROM usager AS u

NATURAL JOIN depot AS d

WHERE d.montant>15;

nom

Nina Mcdowell

Francesca Briggs

Francesca Briggs

Francesca Briggs

Rinah Reilly

Rinah Reilly

Kimberley Bryan

Kimberley Bryan

Galena Keller

Galena Keller

Francesca Briggs

Francesca Briggs

Francesca Briggs

Murphy Lane

Murphy Lane

Hillary Garza

Ciaran Ball

Ciaran Ball

Abdul Weiss

Rinah Reilly

Rinah Reilly

Kimberley Bryan

Kimberley Bryan

Galena Keller

Requête 10 :

SELECT u.nom

FROM usager AS u

NATURAL JOIN depot AS d

WHERE d.montant<0;

Sql a retourné vide.

Requête 11 :

SELECT u.nom , COUNT(d.montant) AS nombre\_depot

FROM depot AS d

NATURAL JOIN usager AS u

GROUP BY u.id\_carte;

nom nombre\_depot

Nina Mcdowell 2

Francesca Briggs 4

Rinah Reilly 2

Kimberley Bryan 2

Galena Keller 2

Francesca Briggs 3

Murphy Lane 3

Hillary Garza 1

Ciaran Ball 2

Abdul Weiss 1

Rinah Reilly 3

Kimberley Bryan 2

Galena Keller 2

Requête 12 :

CREATE VIEW supplement\_entree\_acheter AS (

SELECT DISTINCT u.nom

FROM usager AS u

JOIN ticket AS t ON u.id\_carte = t.id\_carte

JOIN achat AS a ON t.id\_ticket = a.id\_ticket

JOIN prestation AS p ON a.id\_prestation = p.id\_prestation

WHERE p.id\_prestation = '4'

);

SELECT \* FROM supplement\_entree\_acheter;

nom

Nina Mcdowell

Hillary Garza

Francesca Briggs

Requête 13 :

SELECT u.nom ,p.id\_prestation

FROM usager AS u

NATURAL JOIN prestation as p

ORDER BY p.id\_prestation;

nom id\_prestation

Ciaran Ball 1

Kimberley Bryan 1

Francesca Briggs 1

Rinah Reilly 1

Abdul Weiss 1

Kirsten Norton 1

Rinah Reilly 1

Francesca Briggs 1

Nina Mcdowell 1

Kimberley Bryan 1

Abdul Weiss 1

Galena Keller 1

Hillary Garza 1

Murphy Lane 1

Galena Keller 1

Francesca Briggs 2

Galena Keller 2

Galena Keller 2

Rinah Reilly 2

Murphy Lane 2

Kimberley Bryan 2

Ciaran Ball 2

Nina Mcdowell 2

Kimberley Bryan 2

Hillary Garza 2

Requête 14 :

SELECT COUNT(t.id\_carte) AS nombre\_personne, COUNT(t.id\_ticket) AS nombre\_ticket

FROM ticket AS t

WHERE t.date\_achat='2022-11-22';

3 3

Requête 15 :

SELECT u.nom, t.date\_achat

FROM usager AS u

JOIN ticket AS t ON u.id\_carte = t.id\_carte

GROUP BY u.nom, t.date\_achat

ORDER BY u.nom, t.date\_achat;

nom date\_achat

Abdul Weiss 2022-11-14

Abdul Weiss 2022-12-27

Ciaran Ball 2022-11-02

Ciaran Ball 2022-11-15

Ciaran Ball 2022-11-24

Ciaran Ball 2022-12-12

Francesca Briggs 2022-09-01

Francesca Briggs 2022-10-14

Francesca Briggs 2022-10-17

Francesca Briggs 2022-10-20

Galena Keller 2022-09-21

Galena Keller 2022-10-12

Galena Keller 2022-11-22

Galena Keller 2022-12-19

Hillary Garza 2022-10-11

Hillary Garza 2022-10-20

Hillary Garza 2022-10-24

Kimberley Bryan 2022-10-18

Kimberley Bryan 2022-11-15

Kimberley Bryan 2022-11-22

Kimberley Bryan 2022-11-23

Murphy Lane 2022-10-11

Murphy Lane 2022-10-13

Murphy Lane 2022-11-02

Murphy Lane 2022-11-10

Requête 16 :

SELECT COUNT(u.nom) AS nombre\_personne

FROM usager AS u

JOIN ticket AS t ON u.id\_carte = t.id\_carte

JOIN achat AS a ON t.id\_ticket = a.id\_ticket

JOIN prestation AS p ON a.id\_prestation = p.id\_prestation

WHERE p.id\_prestation = '8';

5

Requête 17 :

SELECT a.nombre AS Nombre\_achat, t.date\_achat AS date\_achat , p.type\_prestation AS liste

FROM usager as u

JOIN ticket AS t ON u.id\_carte = t.id\_carte

JOIN achat AS a ON t.id\_ticket = a.id\_ticket

JOIN prestation AS p ON a.id\_prestation = p.id\_prestation

WHERE u.nom = 'Nina Mcdowell';

Nombre\_achat date\_achat liste

1 2022-10-03 Plat principal

2 2022-10-03 Alcool

1 2022-10-05 Plat principal

2 2022-10-05 Supplément Entrée

3 2022-10-05 Soda

1 2022-10-10 Repas complet

1 2022-10-10 Apéritif

1 2022-10-11 Plat principal

2 2022-10-11 Supplément Entrée

1 2022-10-11 Alcool

3 2022-11-02 Repas complet

Requête 18 :

CREATE VIEW recette\_supp\_entree AS (

SELECT SUM(t.prix \* a.nombre) AS recette

FROM tarif AS t

JOIN achat AS a ON t.id\_prestation = a.id\_prestation

JOIN prestation AS p ON a.id\_prestation = p.id\_prestation

WHERE p.id\_prestation = '4');

SELECT \* FROM recette\_supp\_entree;

recette

29.70

Requête 19 :

SELECT SUM(t.prix \* a.nombre) AS recette

FROM achat AS a

JOIN ticket AS t ON a.id\_ticket = t.id\_ticket

JOIN usager AS u ON t.id\_carte = u.id\_carte

JOIN tarif as t ON a.id\_prestation = t.id\_prestation AND u.id\_categorie = t.id\_categorie

JOIN categorie as cat ON u.id\_categorie = cat.id\_categorie

WHERE cat.id\_categorie = '1';

82.30

Requête 20 :

SELECT SUM(t.prix \* a.nombre) AS recette\_du\_jour

FROM tarif AS t

JOIN achat AS a ON t.id\_prestation = a.id\_prestation

JOIN ticket AS ti ON a.id\_ticket = ti.id\_ticket

WHERE ti.date\_achat = '2022-11-22';

183.90

Requête 21 :

SELECT u.nom, COUNT(a.id\_ticket)

FROM achat AS a

Join ticket AS t ON a.id\_ticket = t.id\_ticket

JOIN usager AS u ON t.id\_carte = u.id\_carte

WHERE a.id\_prestation='6'

GROUP BY u.id\_carte

HAVING COUNT(a.id\_ticket)>=2;

nom COUNT(a.id\_ticket)

Nina Mcdowell 2

Ciaran Ball 2

Rinah Reilly 2

Requête 22 :

SELECT u.nom , t.date\_achat

FROM usager AS u

JOIN ticket AS t ON u.id\_carte = t.id\_carte

Where u.nom = 'Nina Mcdowell'

ORDER BY t.date\_achat DESC

LIMIT 1;

Nina Mcdowell 2022-11-02

Requête 23 :

SELECT u.nom , t.date\_achat

FROM usager AS u

JOIN ticket AS t ON u.id\_carte = t.id\_carte

ORDER BY t.date\_achat DESC

LIMIT 1;

Abdul Weiss 2022-12-27

Requête 24 :

SELECT ROUND(COUNT(DISTINCT usager\_acheteur.id\_carte) \* 100.0 / COUNT(DISTINCT us.id\_carte), 2) AS pourcentage

FROM

usager as us

LEFT JOIN (

SELECT DISTINCT t.id\_carte

FROM achat as a

JOIN ticket as t ON a.id\_ticket = t.id\_ticket

JOIN prestation as p ON a.id\_prestation = p.id\_prestation

WHERE p.type\_prestation = 'Plat principal'

) AS usager\_acheteur ON us.id\_carte = usager\_acheteur.id\_carte;

53.33

Requête 25 :

SELECT \*

FROM (

SELECT DISTINCT p.id\_prestation

FROM prestation as p

JOIN achat as a on a.id\_prestation=p.id\_prestation

JOIN ticket as t on t.id\_ticket=a.id\_ticket

WHERE MONTH(t.date\_achat)=9) as Prestation\_Achete

RIGHT JOIN prestation as pr on pr.id\_prestation=Prestation\_Achete.id\_prestation

WHERE Prestation\_Achete.id\_prestation IS NULL;

id\_prestation id\_prestation type\_prestation

NULL 2 Plat + Dessert

NULL 3 Entrée + Plat

NULL 6 Repas complet

NULL 7 Alcool

NULL 8 Apéritif

NULL 9 Soda

Requête 26 :

SELECT \*

FROM (

SELECT DISTINCT p.id\_prestation

FROM prestation as p

JOIN achat as a on a.id\_prestation=p.id\_prestation

JOIN ticket as t on t.id\_ticket=a.id\_ticket

JOIN usager as u on u.id\_carte=t.id\_carte

WHERE u.nom='Nina Mcdowell') as Prestation\_Achete

RIGHT JOIN prestation as pr on pr.id\_prestation=Prestation\_Achete.id\_prestation

WHERE Prestation\_Achete.id\_prestation IS NULL;

id\_prestation id\_prestation type\_prestation

NULL 2 Plat + Dessert

NULL 3 Entrée + Plat

NULL 5 Supplément dessert

Requête 27:

SELECT \*

FROM (

SELECT DISTINCT p.id\_prestation

FROM prestation as p

JOIN achat as a on a.id\_prestation=p.id\_prestation

JOIN ticket as t on t.id\_ticket=a.id\_ticket

JOIN usager as u on u.id\_carte=t.id\_carte

WHERE u.nom='Abdul Weiss') as Prestation\_Achete

RIGHT JOIN prestation as pr on pr.id\_prestation=Prestation\_Achete.id\_prestation

WHERE Prestation\_Achete.id\_prestation IS NOT NULL;

id\_prestation id\_prestation type\_prestation

6 6 Repas complet

1 1 Plat principal

9 9 Soda

Requête 28:

SELECT SUM(ta.prix\*a.nombre) AS Recette\_Soda\_Apperitif\_Alcool

FROM tarif AS ta

JOIN prestation as p ON p.id\_prestation=ta.id\_prestation

JOIN achat AS a ON a.id\_prestation=p.id\_prestation

WHERE p.id\_prestation IN (7,8,9);

Recette\_Soda\_Apperitif\_Alcool

276.40

Requête 29:

SELECT Achat\_Alcool.nom

FROM (

SELECT DISTINCT u.nom

FROM prestation as p

JOIN achat as a on p.id\_prestation=a.id\_prestation

JOIN ticket as t on t.id\_ticket=a.id\_ticket

JOIN usager as u on u.id\_carte=t.id\_carte

WHERE a.id\_prestation='7') AS Achat\_Alcool

JOIN (SELECT DISTINCT u.nom

FROM prestation as p

JOIN achat as a on p.id\_prestation=a.id\_prestation

JOIN ticket as t on t.id\_ticket=a.id\_ticket

JOIN usager as u on u.id\_carte=t.id\_carte

WHERE a.id\_prestation='8') AS Achat\_Apperitif ON Achat\_Alcool.nom = Achat\_Apperitif.nom;

nom

Nina Mcdowell

Murphy Lane

Ciaran Ball

Rinah Reilly

Requête 30 :

CREATE USER 'user12'@'localhost' IDENTIFIED BY 'mot\_de\_passe\_secure';

Requête 31 :

RENAME USER 'user12'@'localhost' TO 'francis\_la\_malisse'@'localhost';

Requête 32 :

DROP USER 'francis\_la\_malisse'@'localhost';