Code sql :

CREATE TABLE product (

id INT PRIMARY KEY,

name VARCHAR(100)

);

CREATE TABLE product\_configurations (

id INT PRIMARY KEY,

product\_id INT,

variant VARCHAR(50),

FOREIGN KEY (product\_id) REFERENCES product(id)

);

CREATE TABLE stock (

id INT PRIMARY KEY,

product\_config\_id INT,

depot\_id INT,

quantity INT,

FOREIGN KEY (product\_config\_id) REFERENCES product\_configurations(id)

);

INSERT INTO product (id, name) VALUES

(1, 'Shampooing'),

(2, 'Crème visage');

INSERT INTO product\_configurations (id, product\_id, variant) VALUES

(101, 1, '250ml'),

(102, 1, '500ml'),

(201, 2, '50ml');

INSERT INTO stock (id, product\_config\_id, depot\_id, quantity) VALUES

(1, 101, 1, 20),

(2, 101, 2, 0),

(3, 102, 1, 5),

(4, 201, 1, 0);

SELECT

p.name AS Product\_name,

pc.variant,

s.depot\_id,

s.quantity,

CASE

WHEN s.quantity > 0 THEN 'true'

ELSE 'false'

END AS is\_available

FROM

product p

JOIN

product\_configurations pc ON p.id = pc.product\_id

JOIN

stock s ON pc.id = s.product\_config\_id

WHERE

p.name = 'Shampooing'

AND pc.variant = '250ml'

AND s.depot\_id = 2;

SELECT

p.name AS Product\_name,

pc.variant,

s.depot\_id,

s.quantity,

CASE

WHEN s.quantity > 0 THEN 'true'

ELSE 'false'

END AS is\_available

FROM

product p

JOIN

product\_configurations pc ON p.id = pc.product\_id

JOIN

stock s ON pc.id = s.product\_config\_id

WHERE

p.name = 'Crème visage'

AND pc.variant = '50ml'

AND s.depot\_id = 1;

Explication du code:

1. Création des tables product, product\_configurations, et stock : **CREATE TABLE product**
2. Insertion des donnes dans ces tables : INSERT INTO product (id, name) VALUES

(1, 'Shampooing'),(2, 'Crème visage');

1. Tester les donnes dans les tables : SELECT

L'exécution de cette requête devrait renvoyer une réponse comme celle-ci, basée sur les données d'exemple :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Product\_name | variant | depot\_id | quantity | is\_available |
| Shampooing | 250ml | 2 | 0 | false |

Exécution du code : <https://www.mycompiler.io/fr/new/mysql>



