



TD - 3 correction SQL

```
SELECT *  
FROM `client`  
WHERE `prenom` = 'Muriel'  
AND `password` = SHA1("test11")
```

```
SELECT nom, COUNT(*) AS nbr_items  
FROM `commande_ligne`  
GROUP BY nom  
HAVING nbr_items > 1  
ORDER BY nbr_items DESC
```

```
SELECT nom, COUNT(*) AS nbr_items , GROUP_CONCAT(`commande_id`) AS liste_commandes  
FROM `commande_ligne`  
GROUP BY nom  
HAVING nbr_items > 1  
ORDER BY nbr_items DESC
```

```
UPDATE `commande_ligne`  
SET `prix_total` = (`quantite` * `prix_unitaire`)
```

```
SELECT client.prenom, client.nom, commande.date_achat, commande_id, SUM(prix_total)  
AS prix_commande  
FROM `commande_ligne`  
LEFT JOIN commande ON commande.id = commande_ligne.commande_id  
LEFT JOIN client ON client.id = commande.client_id  
GROUP BY `commande_id`
```

```
UPDATE commande AS t1  
INNER JOIN  
    ( SELECT commande_id, SUM(commande_ligne.prix_total) AS p_total  
      FROM commande_ligne  
      GROUP BY commande_id ) t2  
    ON t1.id = t2.commande_id  
SET t1.cache_prix_total = t2.p_total
```

```
SELECT YEAR(`date_achat`), MONTH(`date_achat`), SUM(`cache_prix_total`)  
FROM `commande`  
GROUP BY YEAR(`date_achat`), MONTH(`date_achat`)  
ORDER BY YEAR(`date_achat`), MONTH(`date_achat`)
```

```
SELECT client.nom, client.prenom, SUM(commande.cache_prix_total) AS client_montant  
FROM `commande`
```



```
LEFT JOIN client ON client.id = commande.client_id
GROUP BY commande.client_id
ORDER BY client_montant DESC
LIMIT 10
```

```
SELECT `date_achat`, SUM(`cache_prix_total`)
FROM `commande`
GROUP BY `date_achat`
```

```
ALTER TABLE `commande` ADD `category` TINYINT UNSIGNED NOT NULL AFTER
`cache_prix_total`;
```

```
UPDATE `commande`
SET `category` = (
CASE
WHEN cache_prix_total<200 THEN 1
WHEN cache_prix_total<500 THEN 2
WHEN cache_prix_total<1000 THEN 3
ELSE 4
END )
```

```
CREATE TABLE `commande_category` (
`id` int(10) UNSIGNED NOT NULL AUTO_INCREMENT,
`nom` varchar(255) NOT NULL,
PRIMARY KEY (`id`)
) ENGINE=MyISAM DEFAULT CHARSET=utf8;
```

```
INSERT INTO `commande_category` (`id`, `nom`) VALUES (1, 'commandes de moins de
200€');
INSERT INTO `commande_category` (`id`, `nom`) VALUES (2, 'commandes entre 200€ et
500€');
INSERT INTO `commande_category` (`id`, `nom`) VALUES (3, 'commandes entre 500€ et
1.000€');
INSERT INTO `commande_category` (`id`, `nom`) VALUES (4, 'commandes supérieures à
1.000€');
```

```
DELETE FROM `commande_ligne`
WHERE `commande_id` IN ( SELECT id FROM commande WHERE date_achat < '2019-02-01' );
DELETE FROM `commande` WHERE date_achat < '2019-02-01';
```