

# Exercice 1

```
SELECT Nom, Prenom
FROM Clients
WHERE Adresse like '%Paris%';
```

```
SELECT Nom, Prix
FROM Produits
WHERE Prix > 500;
```

```
SELECT IDCommande, DateCommande
FROM Commandes
WHERE EtatCommande like '%livrée%';
```

```
SELECT Nom, QuantiteEnStock
FROM Produits
WHERE QuantiteEnStock BETWEEN 10 AND 50;
```

```
SELECT Nom
FROM Categories;
```

```
SELECT IDCommande, DateCommande
FROM Commandes
WHERE DateCommande < '2024-02-01';
```

```
SELECT Nom, Prenom, Email
FROM Clients
WHERE Email LIKE '%gmail.com';
```

```
SELECT count(IDCommande) as "Nombre Commandes Livrées"
FROM Commandes
WHERE EtatCommande like '%livrée%';
```

# Exercice 2

```
SELECT IDCategorie, COUNT(IDProduit) AS NombreProduits
FROM Produits
GROUP BY IDCategorie;
```

```
SELECT EtatCommande, COUNT(IDCommande) AS NombreCommandes
FROM Commandes
GROUP BY EtatCommande;
```

```
SELECT IDCategorie, SUM(QuantiteEnStock) AS TotalEnStock
FROM Produits
GROUP BY IDCategorie;
```

```
SELECT IDProduit, SUM(Quantite) AS QuantiteTotale
FROM LignesCommande
GROUP BY IDProduit
ORDER BY QuantiteTotale DESC;
```

## Exercice 3

```
SELECT DateCommande, COUNT(IDCommande) AS NombreCommandes
FROM Commandes
GROUP BY DateCommande
HAVING COUNT(IDCommande) > 3;
```

```
SELECT IDCategorie, SUM(Prix * QuantiteEnStock) AS ValeurStockTotale
FROM Produits
GROUP BY IDCategorie
HAVING SUM(Prix * QuantiteEnStock) > 10000;
```

```
SELECT IDClient, COUNT(IDCommande) AS NombreCommandes
FROM Commandes
GROUP BY IDClient
HAVING COUNT(IDCommande) >= 3;
```

```
SELECT IDProduit, SUM(Quantite) AS QuantiteTotaleCommandee
FROM LignesCommande
GROUP BY IDProduit
HAVING SUM(Quantite) > 100;
```

```
SELECT EtatCommande, COUNT(IDCommande) AS NombreCommandes
FROM Commandes
GROUP BY EtatCommande
HAVING COUNT(IDCommande) > 5;
```

## Exercice 4

```
SELECT AVG(Prix) AS PrixMoyen
FROM Produits;
```

```
SELECT MAX(Prix) AS PrixMax, MIN(Prix) AS PrixMin
FROM Produits;
```

```
SELECT COUNT(IDClient) AS NombreClients
FROM Clients;
```

```
SELECT Nom, QuantiteEnStock
FROM Produits
WHERE QuantiteEnStock = (SELECT MIN(QuantiteEnStock) FROM Produits);
```
```

```
```sql
SELECT *
FROM Commandes
WHERE CONVERT(DATE, DateCommande) = CONVERT(DATE, GETDATE());
```

```
SELECT *
FROM Commandes
WHERE DateCommande >= DATEADD(DAY, -30, GETDATE());
```

```
SELECT IDCommande, DATEDIFF(DAY, DateCommande, GETDATE()) AS AgeEnJours
FROM Commandes;
```

```
SELECT *
FROM Commandes
WHERE EtatCommande like '%en cours%' AND DATEDIFF(DAY, DateCommande,
GETDATE()) > 7;
```

```
SELECT CONCAT(Prenom, ' ', Nom) AS NomCompleet
FROM Clients;
```

```
SELECT Nom, substring(Description,1, 5) AS DescriptionAbregee
FROM Produits;
```

```
SELECT Nom, Prix, (Prix * 0.9) AS PrixReduit
FROM Produits;
```
```

```
```sql
SELECT Nom, Prix, ROUND(Prix, 0) AS PrixArrondi
FROM Produits;
```

```
SELECT Nom, Prix
FROM Produits
WHERE Prix > (SELECT AVG(Prix) FROM Produits);
```

## Exercice 5

```
SELECT Categories.Nom, Produits.Description, Produits.Prix
FROM Produits
INNER JOIN Categories ON Produits.IDCategorie = Categories.IDCategorie
WHERE Categories.Nom = 'Electronique';
```

```
SELECT LignesCommande.IDLigneCommande, LignesCommande.IDCommande,
Produits.Nom, LignesCommande.Quantite,
(LignesCommande.Quantite * Produits.Prix) AS Montant_Total
FROM LignesCommande
inner JOIN Produits ON LignesCommande.IDProduit =
Produits.IDProduit;
```

```
SELECT Produits.Nom
FROM Produits
LEFT OUTER JOIN LignesCommande ON Produits.IDProduit =
LignesCommande.IDProduit
WHERE LignesCommande.IDCommande IS NULL;
```

```
SELECT Categories.Nom AS Categorie, COUNT(Produits.IDProduit) AS
Nombre_Produits
FROM Categories
LEFT OUTER JOIN Produits ON Categories.IDCategorie = Produits.IDCategorie
GROUP BY Categories.Nom;
```

```
SELECT Commandes.IDClient, COUNT(DISTINCT LignesCommande.IDProduit) AS
NombreProduitsDifferentes
FROM Commandes
INNER JOIN LignesCommande ON Commandes.IDCommande =
LignesCommande.IDCommande
GROUP BY Commandes.IDClient
HAVING COUNT(DISTINCT Lignescommande.IDProduit) > 5;
```