

```
SELECT *
FROM ARTICLE
ORDER BY DESIGNATION ;
```

```
SELECT REF, DESIGNATION, PRIX
FROM ARTICLE
ORDER BY PRIX DESC;
```

```
SELECT REF, DESIGNATION, PRIX
FROM ARTICLE
WHERE DESIGNATION LIKE '%boulon%'
ORDER BY PRIX;
```

```
SELECT REF, DESIGNATION
FROM ARTICLE
WHERE DESIGNATION LIKE '%sachet%' ;
```

```
SELECT REF, DESIGNATION, PRIX
FROM ARTICLE
WHERE DESIGNATION LIKE '%sachet%'
LIMIT 200;
```

```
SELECT ARTICLE.REF, ARTICLE.DESIGNATION, ARTICLE.PRIX, FOURNISSEUR.NOM
FROM ARTICLE
JOIN FOURNISSEUR ON ARTICLE.ID_FOU = FOURNISSEUR.ID
ORDER BY FOURNISSEUR.NOM ASC, ARTICLE.PRIX DESC;
```

```
SELECT ARTICLE.`REF` ,ARTICLE.DESIGNATION , ARTICLE.PRIX
FROM ARTICLE
JOIN FOURNISSEUR ON ARTICLE.ID =FOURNISSEUR.ID
WHERE FOURNISSEUR.NOM = 'Dubois && Fils';
```

```
SELECT FOURNISSEUR.NOM ,ARTICLE.`REF` ,ARTICLE.DESIGNATION , ARTICLE.PRIX
FROM ARTICLE
JOIN FOURNISSEUR ON ARTICLE.ID =FOURNISSEUR.ID
WHERE FOURNISSEUR.NOM = 'Dubois & Fils';
```

```
SELECT AVG(ARTICLE.PRIX) AS moyenne_prix
FROM ARTICLE
JOIN FOURNISSEUR ON ARTICLE.ID =FOURNISSEUR.ID
WHERE FOURNISSEUR.NOM = 'Dubois & Fils';
```

```
SELECT FOURNISSEUR.NOM, AVG(ARTICLE.PRIX) AS moyenne_prix
FROM ARTICLE
JOIN FOURNISSEUR ON ARTICLE.ID =FOURNISSEUR.ID
GROUP BY FOURNISSEUR.NOM ;
```

```
SELECT*
FROM BON
WHERE DATE_CMDE BETWEEN '2019-03-01 00:00:00' AND '2019-04-05 12:00:00';
```

```
SELECT BON.*
FROM BON
JOIN COMPO ON BON.ID = COMPO.ID_BON
JOIN ARTICLE ON ARTICLE.ID = COMPO.ID
WHERE ARTICLE.DESIGNATION LIKE '%boulon%';
```

```

SELECT BON.*, FOURNISSEUR.NOM as fournisseur
FROM BON
JOIN FOURNISSEUR ON FOURNISSEUR.ID = BON.ID_FOU
JOIN COMPO ON BON.ID = COMPO.ID_BON
JOIN ARTICLE ON ARTICLE.ID = COMPO.ID_ART
WHERE ARTICLE.DESIGNATION LIKE '%boulon%';

```

```

SELECT BON.ID , SUM(ARTICLE.PRIX*COMPO.QTE) AS Prix_Total
FROM BON
JOIN COMPO ON BON.ID = COMPO.ID_BON
JOIN ARTICLE ON ARTICLE.ID = COMPO.ID_ART
GROUP BY BON.ID ;

```

```

SELECT BON.ID , COUNT(ARTICLE.ID)
FROM BON
JOIN COMPO ON BON.ID = COMPO.ID_BON
JOIN ARTICLE ON ARTICLE.ID = COMPO.ID_ART
GROUP BY BON.ID ;

```

```

SELECT BON.NUMERO AS Numéro, COMPO.QTE AS Quantité
FROM BON
JOIN COMPO ON BON.ID = COMPO.ID_BON
WHERE COMPO.QTE >25
LIMIT 0, 200;

```

```

SELECT SUM(ARTICLE.ID * COMPO.QTE)AS Prix_Total_Avril
FROM BON
JOIN COMPO ON BON.ID = COMPO.ID_BON
JOIN ARTICLE ON COMPO.ID_ART = ARTICLE.ID
WHERE BON.DATE_CMDE BETWEEN '2019-04-01' AND '2019-04-30';

```

```

SELECT SUM(ARTICLE.PRIX * COMPO.QTE)AS Prix_Total_Avril
FROM BON
JOIN COMPO ON BON.ID = COMPO.ID_BON
JOIN ARTICLE ON COMPO.ID_ART = ARTICLE.ID
WHERE BON.DATE_CMDE BETWEEN '2019-04-01' AND '2019-04-30';

```

```

SELECT A1.DESIGNATION, A1.ID_FOU AS Fournisseur_1, A2.ID_FOU AS Fournisseur_2
FROM ARTICLE A1
JOIN ARTICLE A2 ON A1.DESIGNATION = A2.DESIGNATION
WHERE A1.ID_FOU <> A2.ID_FOU;

```