

GoodFood

QUESTION 1

```
SELECT DISTINCT PLAT.NUMPLAT, LIBELLE, DATCOM
FROM PLAT
INNER JOIN CONTIENT ON PLAT.NUMPLAT = CONTIENT.NUMPLAT
INNER JOIN COMMANDE ON CONTIENT.NUMCOM = COMMANDE.NUMCOM
WHERE DATCOM BETWEEN TO_DATE('10/09/2016') AND TO_DATE('24/10/2016');
```

	NUMPLAT	LIBELLE	DATCOM
1	2	tarte de saison	2016-09-10 00:00:00
2	5	salade verte	2016-09-10 00:00:00
3	11	brochet à l'oseille	2016-09-10 00:00:00
4	13	crème caramel	2016-09-10 00:00:00
5	15	filet de sole au beurre	2016-09-10 00:00:00
6	7	pate lorrain	2016-09-10 00:00:00
7	12	gigot d'agneau	2016-09-10 00:00:00
8	10	gratin dauphinois	2016-09-10 00:00:00
9	14	munster au cumin	2016-09-10 00:00:00
10	3	sorbet mirabelle	2016-09-10 00:00:00
11	4	filet de boeuf	2016-09-10 00:00:00
12	3	sorbet mirabelle	2016-10-11 00:00:00
13	9	entrecote printaniere	2016-09-10 00:00:00
14	16	fois gras de lorraine	2016-09-10 00:00:00
15	1	assiette de crudités	2016-09-10 00:00:00

QUESTION 2

```
SELECT NUMPLAT, LIBELLE
FROM PLAT
WHERE NUMPLAT NOT IN (SELECT DISTINCT PLAT.NUMPLAT
FROM PLAT
INNER JOIN CONTIENT ON PLAT.NUMPLAT = CONTIENT.NUMPLAT
INNER JOIN COMMANDE ON CONTIENT.NUMCOM = COMMANDE.NUMCOM
WHERE DATCOM BETWEEN TO_DATE('10/09/2016') AND
TO_DATE('24/10/2016'));
```

	NUMPLAT	LIBELLE
1	8	saumon fumé
2	6	chevre chaud

QUESTION 3

```
SELECT DISTINCT NOMSERV, DATCOM
FROM SERVEUR
    INNER JOIN AFFECTER ON SERVEUR.NOMSERV = AFFECTER.NOMSERV
    INNER JOIN COMMANDE ON AFFECTER.NUMTAB = COMMANDE.NUMTAB
    INNER JOIN TABL ON COMMANDE.NUMTAB = TABL.NUMTAB
WHERE DATCOM BETWEEN TO_DATE('10/09/2016') AND TO_DATE('11/10/2016')
AND AFFECTER.NUMTAB = 10;
```

	NOMSERV	DATCOM
1	Tutus Peter	2016-09-10 00:00:00

QUESTION 4

```
SELECT NOMSERV, SUM(PRIXUNIT * QUANTITE) AS CHIFFREAFFAIRE,
COUNT(UNIQUE COMMANDE.NUMCOM) AS NOMBRECOMMANDE
FROM SERVEUR
    INNER JOIN AFFECTER ON SERVEUR.NOMSERV = AFFECTER.NOMSERV
    INNER JOIN COMMANDE ON COMMANDE.NUMTAB = AFFECTER.NUMTAB
    INNER JOIN CONTIENT ON COMMANDE.NUMCOM = CONTIENT.NUMCOM
    INNER JOIN PLAT ON CONTIENT.NUMPLAT = PLAT.NUMPLAT
WHERE DATCOM BETWEEN TO_DATE('10/09/2016') AND TO_DATE('11/10/2016')
AND to_char(datcom, 'dd/mm/yyyy') = to_char(dataff, 'dd/mm/yyyy')
GROUP BY NOMSERV
ORDER BY CHIFFREAFFAIRE DESC;
```

	NOMSERV	CHIFFREAFFAIRE	NOMBRECOMMANDE
1	Tutus Peter	1030	4
2	Lilo Vito	376	2

QUESTION 5

```
SELECT NOMSERV
FROM SERVEUR
WHERE NOMSERV NOT IN (SELECT NOMSERV
                      FROM SERVEUR
                      INNER JOIN AFFECTER ON SERVEUR.NUMSERV =
AFFECTER.NUMSERV
                      INNER JOIN COMMANDE ON COMMANDE.NUMTAB =
AFFECTER.NUMTAB
                      WHERE DATCOM BETWEEN TO_DATE('10/09/2016') AND
TO_DATE('11/10/2016')
                      GROUP BY NOMSERV);
```

	NOMSERV
1	Leo Jon
2	Dean Geak
3	Don Carl

QUESTION 6

```
SELECT COMMANDE.NUMCOM, SUM(PRIXUNIT * QUANTITE)
FROM COMMANDE
      INNER JOIN CONTIENT ON COMMANDE.NUMCOM = CONTIENT.NUMCOM
      INNER JOIN PLAT ON CONTIENT.NUMPLAT = PLAT.NUMPLAT
GROUP BY COMMANDE.NUMCOM
ORDER BY COMMANDE.NUMCOM;
```

	NUMCOM	SUM(PRIXUNIT*QUANTITE)
1	100	204
2	101	544
3	102	230
4	103	212
5	104	146
6	105	70
7	106	70

UPDATE COMMANDE

SET MONTCOM = 'nouvelle valeur calculée par la fonction SUM'

WHERE NUMCOM = '100';

	NUMCOM	NUMTAB	DATCOM	NBPERS	DATPAIE	MODPAIE	MONTCOM
1	100	10	2016-09-10 00:00:00	2	2016-09-10 20:50:00	Carte	204.00
2	101	11	2016-09-10 00:00:00	4	2016-09-10 21:20:00	Chèque	<null>
3	102	17	2016-09-10 00:00:00	2	2016-09-10 20:55:00	Carte	<null>
4	103	12	2016-09-10 00:00:00	2	2016-09-10 21:10:00	Espèces	<null>
5	104	18	2016-09-10 00:00:00	1	2016-09-10 21:00:00	Chèque	<null>
6	105	10	2016-09-10 00:00:00	2	2016-09-10 20:45:00	Carte	<null>
7	106	14	2016-10-11 00:00:00	2	2016-10-11 22:45:00	Carte	<null>

Pour la première commande et ainsi de suite

Question 7

Question 7.a

CREATE OR REPLACE TRIGGER ENREGISTREMENTAUDITER

AFTER

INSERT ON COMMANDE

DECLARE

v_nbeuro **NUMBER**(6, 2);

v_numserv SERVEUR.NUMSERV%TYPE;

BEGIN

SELECT SUM(PRIXUNIT * QUANTITE)

INTO v_nbeuro

FROM PLAT

INNER JOIN CONTIENT **ON** PLAT.NUMPLAT = CONTIENT.NUMPLAT

WHERE NUMCOM = :NEW.NUMCOM;

SELECT DISTINCT SERVEUR.NUMSERV

INTO v_numserv

FROM SERVEUR

INNER JOIN AFFECTER **ON** SERVEUR.NUMSERV = AFFECTER.NUMSERV

WHERE SERVEUR.GRADE = 'maitre d"hotel'

AND AFFECTER.NUMTAB = :NEW.NUMTAB;

IF ((v_nbeuro / :NEW.NBPERS) < 15 **AND** v_numserv = 1) **THEN**

INSERT INTO AUDITER **VALUES** (NEW.NUMCOM, NEW.NUMTAB, NEW.DATCOM,
NEW.NBPERS, NEW.DATPAIE, v_nbeuro);

END IF;

END;

Question 7.b

```
CREATE OR REPLACE TRIGGER LIMITEQUANTITEPLAT
BEFORE
INSERT ON CONTIENT
DECLARE
  v_nbperso COMMANDE.NBPERS%TYPE;
BEGIN
  SELECT NBPERS
  INTO v_nbperso
  FROM COMMANDE
  WHERE :NEW.NUMCOM = COMMANDE.NUMCOM;
  IF (:NEW.QUANTITE > v_nbperso) THEN
    :NEW.QUANTITE := v_nbperso;
  END IF;
END;
```