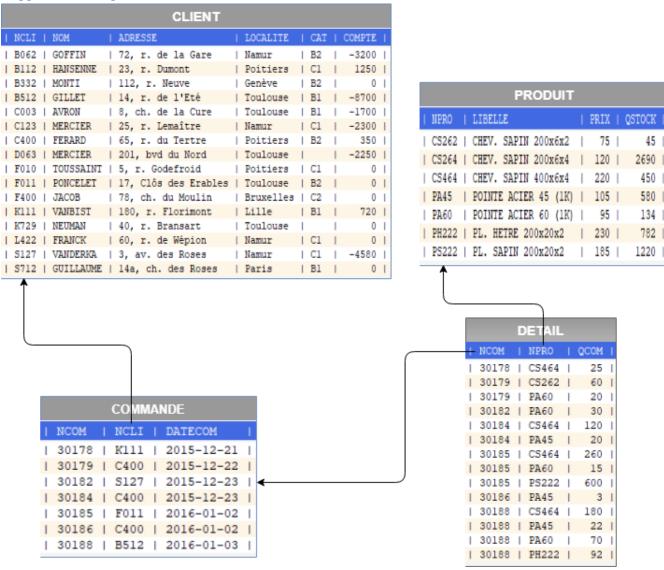
IHDCB234-Conception et gestion de banques de données Travaux pratiques - Solution - Séance 1

Professeur : Anthony Cleve Assistant chargé des TPs : Sylla Aboubacar

30 avril 2019

1 Exercices - Requête

1. Rappel de l'exemple de référence.



- (a) select * from PRODUIT;
- (b) select * from PRODUIT where LIBELLE like '%ACIER%';
- (c) select distinct LOCALITE from CLIENT;
- (d) select distinct CAT from CLIENT where LOCALITE = 'Toulouse';
- (e) select NCLI, NOM, LOCALITE from CLIENT where CAT ='C1' and LOCALITE <> 'Toulouse';

- (f) select NCLI, NOM, COMPTE from CLIENT where LOCALITE in ('Poitiers', 'Bruxelles') and COMPTE >=0;
- (g) Ecrire des requêtes SQL qui recherchent les clients.
 - i. select NCLI, NOM from CLIENT where LOCALITE in ('Namur', 'Lille');
 - ii. select NCLI, NOM from CLIENT where LOCALITE = 'Lille' and LOCALITE <> 'Namur';
 select NCLI, NOM from CLIENT where LOCALITE = 'Lille';
 - iii. select NCLI, NOM from CLIENT where LOCALITE not in('Namur', 'Lille');
 - iv. select NCLI, NOM from CLIENT where LOCALITE = 'Lille' or LOCALITE <> 'Namur';
 select NCLI, NOM from CLIENT where (LOCALITE <> 'Namur');
 - v. select NCLI, NOM from CLIENT where LOCALITE <> 'Lille' or LOCALITE <> 'Namur';
 - vi. select NCLI, NOM from CLIENT where CAT = 'C1' and LOCALITE = 'Namur';
 - vii. select NCLI, NOM from CLIENT where CAT = 'C1' or LOCALITE = 'Namur';
 - viii. select NCLI, NOM from CLIENT where NCLI not in select NCLI from CLIENT where
 CAT = 'C1'and LOCALITE <> 'Namur';
 - ix. select NCLI, NOM from CLIENT where CAT in ('C1', 'B1') or LOCALITE
 in ('Lille', 'Namur');
 - x. select NCLI, NOM from CLIENT where (CAT in ('C1','B1') and LOCALITE
 not in ('Lille','Namur')) or (CAT not in ('C1','B1')
 and LOCALITE in ('Lille','Namur'));
 - xi. select NCLI, NOM from CLIENT where CAT in ('C1', 'B1') and LOCALITE
 in ('Lille', 'Namur');
 - xii. select NCLI, NOM from CLIENT where CAT not in ('C1', 'B1') or LOCALITE not in ('Lille', 'Namur');
- (h) select NCLI, NOM, LOCALITE from CLIENT where NOM < LOCALITE;
- (i) Afficher les localités des clients qui commandent le produit de numéro 'CS464'.

 - ii. select distinct LOCALITE from CLIENT cl, COMMANDE c, DETAIL det

 where cl.NCLI = c.NCLI and c.NCOM = det.NCOM and NPRO = 'CS464';

 select distinct LOCALITE from CLIENT where NCLI in (select NCLI from

 COMMANDE where NCOM in (select NCOM from DETAIL where NPRO = 'CS464'));
- (j) select NCLI, NOM from CLIENT cl where LOCALITE = 'Namur' and NCLI not in (select NCLI from COMMANDE);
- (k) select distinct p.NPRO, p.LIBELLE from PRODUIT p, DETAIL det where LIBELLE like '%SAPIN%' and p.NPRO = det.NPRO;
 - select NPRO, LIBELLE from PRODUIT where LIBELLE like '%SAPIN%' and NPRO in (select NPRO from DETAIL);
- (1) Afficher le numéro et le libellé des produits en sapin :
 - i. select NPRO, LIBELLE from PRODUIT where LIBELLE like '%SAPIN%' and NPRO not in (select NPRO from DETAIL);

- v. select NPRO, LIBELLE from PRODUIT where LIBELLE like '%SAPIN%' and NPRO in (select NPRO from DETAIL where NCOM in (select NCOM from COMMANDE where NCLI in (select NCLI from CLIENT where LOCALITE <> 'Toulouse'))) and NPRO in (select NPRO from DETAIL where NCOM in (select NCOM from COMMANDE where NCLI in (select NCLI from CLIENT where LOCALITE = 'Toulouse')));
- (m) select distinct LOCALITE from CLIENT where NCLI in (select NCLI from COMMANDE where DATECOM > '2015-11-30' and DATECOM < '2016-1-1');
- (n) select sum(COMPTE),min(COMPTE),avg(COMPTE),max(COMPTE) from CLIENT;