COMPTE-RENDU DU TP4

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1/

create table vins (nvin number constraint pk_nvin_vins primary key not null,

nomcru varchar2(10) not null,

annee number default 1980 not null,

degres number(3,1),

prix number);

create table recolte (nvrec number Constraint fK_nvec_recolte references vins(nvin) not null,

refprod number not null ,

datrec date,

qtrec number default 0 not null,

constraint pk_recolte primary key(nvrec,refprod,datrec));

create table producteurs (refprod number constraint pk_producteurs primary key,

nomprod varchar2(12) default ' ',

region varchar2(10) default ' ');

create table acheteurs (numach number constraint pk_acheteurs primary key,

nomach varchar2(10) not null,

typbuv varchar2(5) default ' ' not null constraint ck_typbuv_acheteur check (typbuv in ('PETIT','MOYEN','GRAND')));

create table achat (nvin number not null,

nachet number not null constraint fk_achat references acheteurs(numach),

qte number default 0 not null,

cpt number constraint pk_achat primary key);

alter table recolte modify (refprod number constraint fk_recolte references producteurs(refprod));

alter table vins modify(annee number constraint ck_annee_vins check (annee>1980));

alter table achat modify(qte number constraint ck_qte_achat check (qte>0));

alter table acheteurs drop constraint ck_typbuv_acheteur;

alter table vins modify(prix number(4,2));

commit;

2/

insert into acheteurs values (1,'Hardy', 'GROS');

insert into acheteurs values (2,'Duchenne','MOYEN');

insert into acheteurs values (3,'Bernardin','PETIT');

insert into acheteurs values (4,'Dreyfus','PETIT');

insert into producteurs values (1,'Knock','BEAUJOLAIS');

insert into producteurs values (2,'Marchand','LOIRE');

insert into producteurs values (3,'Bouteiller','BORDEAUX');

insert into producteurs values (4,'Smith','SUD-OUEST');

insert into achat values (1,9,12,1);

insert into achat values (1,4,7,2);

insert into achat values (1,1,10,3);

insert into achat values (1,5,12,4);

insert into achat values (1,6,9,5);

insert into vins values (1,'St Amour', 1983, 11.5, 31);

insert into vins values (2,'Pomerol',1982,11.6,29);

insert into vins values (3,'Chenas',1986,11.3,32.5);

insert into vins values (4,'Gamay',1985,11.4,26);

insert into vins values (5,'Riesling',1983,11.9, 23.5);

insert into recolte values(1,1,'15/09/1983',62);

insert into recolte values (1,6,'17/09/1983',158);

insert into recolte values (2,3,'29/08/1982',25);

insert into recolte values (3,11,'05/10/1986',130);

commit;

3.1/

select nomcru from vins order by nomcru;

3.2/

select distinct region from producteurs;

3.3/

select refprod, nomprod from producteurs

where region in ('SAVOIE', 'BEAUJOLAIS');

3.4/

select nomach as sobre from acheteurs

where typbuv = 'PETIT';

3.5/

select nvin as vin, nachet from achat

order by nachet desc, vin;

3.6/

create table jeune as select nomcru, degres from vins

where annee>1985;

select * from jeune;

4.1/

select nachet from achat

where nvin = any(select nvin from vins where prix>30);

4.2/

select nvrec, nomprod, region from recolte, producteurs

where recolte.refprod = producteurs.refprod and qtrec>100;

4.3/

select distinct nvrec from recolte

where refprod = any (select refprod from producteurs where region = 'BOURGOGNE');

4.4/

select count(*) as Nbre_Buveurs_Moy from acheteurs

where typbuv = 'MOYEN';

4.5/

select count(*) as nachet, sum(qte) as qte_acheté from achat

where nvin = 7;

4.6/

select sum(qte*prix) from vins, acheteurs, achat

where vins.nvin=achat.nvin and achat.nachet=acheteurs.numach

group by numach

having numach = (select numach from acheteurs where nomach = 'Hardy');

4.7/

select avg(prix) from vins, achat

where vins.nvin=achat.nvin

group by nachet

having nachet = 9;

4.8/

select nomprod from producteurs

where refprod = any(select refprod from recolte where qtrec=45);

4.9/

select nomach from acheteurs

where numach = any(select a1.nachet from achat a1, achat a2, achat a3 where a1.nachet=a2.nachet and a2.nachet = a3.nachet and a1.nvin = 1 and a2.nvin = 7 and a3.nvin = 12);

4.10/

select nvin from vins

minus

select distinct nvin from achat;

4.11/

select distinct nomcru from vins, recolte,achat,acheteurs

where nvrec = vins.nvin and vins.nvin = achat.nvin and nachet = numach and datrec >'01/01/1984' and typbuv !='PETIT';

4.12/

select nomach as gros_acheteurs from acheteurs

where numach =

any(select nachet from achat

group by nachet

having sum(qte) >

(select avg(qte_tot) from (select nachet, sum(qte) as qte_tot from achat group by nachet)));

4.13/

select numach from acheteurs

minus

select distinct nachet as numach from achat

where nvin = any(select nvin from vins where nomcru = 'St Amour');