create or replace procedure r\_statut as

v\_nb\_h\_min NUMBER(3,0) default 0;

v\_nb\_h\_max NUMBER(3,0) default 0;

v\_nb\_h\_real NUMBER(5,1) default 0;

v\_nb\_h\_horsch NUMBER(5,1) default 0;

v\_annee NUMBER(4) default 0;

v\_statut VARCHAR2(20 BYTE);

cursor c\_pers is SELECT fid\_stat, nom, prenom, ANNEE, SUM(H\_CM) as cm, SUM(H\_TD) as td, SUM(H\_EAD) as ead from personnel, ligne\_service WHERE personnel.id\_pers = ligne\_service.fid\_pers GROUP BY fid\_stat, nom, prenom, ANNEE;

begin

for s\_enseignant in c\_pers loop

SELECT statut.libelle\_stat, statut.nb\_h\_min, statut.nb\_h\_max INTO v\_statut, v\_nb\_h\_min, v\_nb\_h\_max FROM statut WHERE statut.id\_stat = s\_enseignant.FID\_Stat;

v\_nb\_h\_real := (s\_enseignant.cm\*1.5) + s\_enseignant.td + s\_enseignant.ead;

v\_nb\_h\_horsch := 0;

if (v\_nb\_h\_real < v\_nb\_h\_min) then v\_nb\_h\_horsch := v\_nb\_h\_real - v\_nb\_h\_min; end if;

if (v\_nb\_h\_real > v\_nb\_h\_max) then v\_nb\_h\_horsch := v\_nb\_h\_real - v\_nb\_h\_max; end if;

insert into r\_statut\_table values (v\_statut, s\_enseignant.annee, s\_enseignant.nom, s\_enseignant.prenom, v\_nb\_h\_real, v\_nb\_h\_horsch);

end loop;

commit;

end;

drop table r\_statut\_table;

create table r\_statut\_table (satut VARCHAR2(20 BYTE), annee NUMBER(4), nom varchar(32), prenom varchar(32), nb\_h\_real NUMBER(5,1), nb\_h\_horsch NUMBER(5,1));

set serveroutput on

exec r\_statut;

CREATE OR REPLACE VIEW RECHERCHE\_COURS AS

SELECT ls.ANNEE, ec.LIBELLE\_EC, ls.FID\_GROUPE, g.LIB\_GROUPE, sum(ls.H\_CM) AS HEURE\_CM\_REALISE, sum(ls.H\_TD) AS HEURE\_TD\_REALISE, sum(ls.H\_EAD) AS HEURE\_EAD\_REALISE, ec.VOLUME\_HEURE\_TD-sum(ls.H\_TD) AS HEURE\_TD\_RESTANTE

, ec.VOLUME\_HEURE\_CM-sum(ls.H\_CM) AS HEURE\_CM\_RESTANTE, ec.VOLUME\_HEURE\_DISTANT-sum(ls.H\_EAD) AS HEURE\_EAD\_RESTANTE

FROM LIGNE\_SERVICE ls, EC ec, PERSONNEL p, GROUPE g

WHERE ec.ID\_EC = ls.FID\_EC AND p.ID\_PERS = ls.FID\_PERS AND g.ID\_GROUPE = ls.FID\_GROUPE

GROUP BY ls.ANNEE,ec.LIBELLE\_EC,ls.FID\_GROUPE, g.LIB\_GROUPE, ec.VOLUME\_HEURE\_TD, ec.VOLUME\_HEURE\_CM, ec.VOLUME\_HEURE\_DISTANT;

DROP VIEW RECHERCHE\_COURS;

create view V\_R\_ENSEIGNANT\_CHG\_FCT as

select p.nom, p.prenom, cf.lib\_chg, SUM(ls.h\_td) AS h\_td

from ligne\_service ls , chg\_fct cf, personnel p

where ls.fid\_chgfct is not null and cf.id\_chg = ls.fid\_chgfct and ls.fid\_pers = p.id\_pers GROUP BY p.nom, p.prenom, cf.lib\_chg;

create view V\_R\_ENSEIGNANT\_COURS as

select p.nom, p.prenom, ec.libelle\_ec, SUM(ls.h\_td) AS h\_td, SUM(ls.h\_cm) AS h\_cm, SUM(ls.h\_ead) AS h\_ead

from ligne\_service ls , ec, personnel p

where ls.fid\_chgfct is null and ec.id\_ec = ls.fid\_ec and ls.fid\_pers = p.id\_pers GROUP BY p.nom, p.prenom, ec.libelle\_ec;

drop view V\_R\_ENSEIGNANT\_CHG\_FCT;

drop view v\_ligne\_service\_chg;

drop view v\_ligne\_service\_ec;

Create view v\_ligne\_service\_chg as

Select l.ID\_LIGNE, p.NOM, p.PRENOM, c.LIB\_CHG, g.LIB\_GROUPE,l.H\_TD, l.SEM, l.ANNEE

FROM LIGNE\_SERVICE l, CHG\_FCT c, GROUPE g, PERSONNEL p

WHERE l.FID\_CHGFCT is not null AND l.FID\_CHGFCT = c.ID\_CHG AND l.FID\_GROUPE = g.ID\_GROUPE AND l.FID\_PERS = p.ID\_PERS;

Create OR REPLACE view v\_ligne\_service\_ec as

Select l.ID\_LIGNE, p.NOM, p.PRENOM, g.LIB\_GROUPE, e.LIBELLE\_EC, l.H\_CM, l.H\_TD, l.H\_EAD, l.H\_TP, l.SEM, l.ANNEE

FROM LIGNE\_SERVICE l, GROUPE g, EC e, PERSONNEL p

WHERE l.FID\_EC is not null AND l.FID\_EC = e.ID\_EC AND l.FID\_GROUPE = g.ID\_GROUPE AND l.FID\_PERS = p.ID\_PERS;