//-----------------------------------------------------------

//TD8

//Xinyu HUANG 3803966 L2 G5 mono info

//---------

/\*C1-C3\*/

create domain cinq\_chiffre as numeric(5,0);

create domain vingt\_cara as varchar(20) check(value>=10000);

create domain ville\_fr as varchar(9) check (value in ('Paris', 'Lyon', 'Marseille'));

create table if not exists EMPLOYE (

NumSS cinq\_chiffre ,

NomE vingt\_cara ,

PrenomE vingt\_cara ,

/\*C11.1\*/

NumChef cinq\_chiffre,

foreign key (NumChef) references EMPLOYE(NumSS),

villeE ville\_fr,

DateNaiss time,

/\*C4\*/

DateEnreg time default current\_timestamp,

/\*C5\*/

unique(NomE, PrenomE),

/\*C9 verifie localement\*/

constraint age\_max check ( extract( year from current\_timestamp)-extract(year from DateNaiss)<=70)

);

create table if not exists PROJET(

NumProj numeric(7,0),

NomProj vingt\_cara ,

/\*C11.2\*/

/\*C7\*/

ResProj cinq\_chiffre NOT NULL,

FOREIGN KEY (ResProj) REFERENCES EMPLOYE(NumSS) ,

VilleP ville\_fr,

Budget numeric(10,2),

/\*C6\*/

constraint NumProj\_checm check (Numproj >=10000),

/\*C10 verifie globalement\*/

constraint Res\_habite check (exists (select e.NumSS from EMPLOYE e where e.VilleE=VilleP and e.NumSS=ResProj))

);

create table if not exists GRILLE\_SAL(

Profil vingt\_cara ,

/\*C8\*/

salaire numeric(7,2),

constraint salaire\_max check(salaire<=90000)

);

create table if not exists EMBAUCHE(

/\*C12\*/

Numss cinq\_chiffre,

NumProj numeric(7,0),

DateEmb time,

Profil vingt\_cara ,

foreign key (NumSS) references EMPLOYE(NumSS),

foreign key (NumProj) references PROJET(Numproj),

foreign key (Profil) references GRILLE\_SAL(Profil)

);

//-----------------------------------------------------------

//-----------------------------------------------------------

//TP8

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INSERT INTO employe VALUES('21456','LARS', 'Anna','paris', '1975-08-25', sysdate);

create domain cinq\_chiffre as numeric(5,0);

create domain vingt\_cara as varchar(20);

create domain ville\_fr as varchar(9) check (value in ('Paris', 'Lyon', 'Marseille'));

create table if not exists EMPLOYE (

NumSS cinq\_chiffre ,

NomE vingt\_cara ,

PrenomE vingt\_cara ,

villeE ville\_fr,

DateNaiss date,

DateEnreg date default current\_date,

primary key(NumSS),

unique(NomE, PrenomE),

constraint age\_max check ( extract( year from current\_timestamp)-extract(year from DateNaiss)<=70)

);

create table if not exists PROJET(

NumProj numeric(7,0),

NomProj vingt\_cara ,

ResProj cinq\_chiffre NOT NULL,

FOREIGN KEY (ResProj) REFERENCES EMPLOYE(NumSS) ,

VilleP ville\_fr,

Budget numeric(10,2),

primary key(Numproj);

constraint NumProj\_checm check (Numproj >=10000),

constraint Res\_habite check (exists (select e.NumSS from EMPLOYE e where e.VilleE=VilleP and e.NumSS=ResProj))

);

create table if not exists GRILLE\_SAL(

Profil vingt\_cara ,

salaire numeric(7,2),

primary key(Profil),

constraint salaire\_max check(salaire<=90000)

);

create table if not exists EMBAUCHE(

Numss cinq\_chiffre,

NumProj numeric(7,0),

DateEmb date,

Profil vingt\_cara ,

primary key(NumSS, NumProj),

foreign key (NumSS) references EMPLOYE(NumSS),

foreign key (NumProj) references PROJET(Numproj),

foreign key (Profil) references GRILLE\_SAL(Profil)

);

INSERT INTO employe VALUES('21456','LARS', 'Anna','paris', '1975-08-25', sysdate);

INSERT INTO PROJET VALUES('1234567', 'BIGPROJET', '21456', 'Paris', '1234');

INSERT INTO GRILLE\_SAL VALUES('tall and handsome', '3000');

INSERT INTO EMBAUCHE VALUES('21456', '1234567', current\_date, 'tall and handsome');

/\*1\*/

INSERT INTO employe VALUES('NULL','don', 'jack','Paris', '1975-08-25', sysdate);

/\*2\*/

INSERT INTO employe VALUES('12345','don', 'jack','Paris', '1900-08-25', sysdate);

/\*3\*/

INSERT INTO employe VALUES('123456','don', 'jack','Paris', '1975-08-25', sysdate);

/\*4\*/

INSERT INTO employe VALUES('12345','don', 'jack','Nante', '1975-08-25', sysdate);

/\*5\*/

INSERT INTO employe VALUES('20201','don', 'mike','Paris', '1999-08-25', sysdate);

INSERT INTO employe VALUES('20202','don', 'mike','Paris', '1975-08-25', sysdate);

/\*6\*/

INSERT INTO GRILLE\_SAL VALUES('short and handsome', '3000000');

/\*7\*/

INSERT INTO PROJET VALUES('7654321', 'BIGPROJET', '20203', 'Paris', '1234');

/\*8\*/

INSERT INTO EMBAUCHE VALUES('21456', '1234566', current\_date, 'tall and handsome');