**Solution de TD 1**

**Intégration de données**

**I- Création de Base de Données 2 : SGBD Oracle**

Create table Enseignant (

ID\_ens integer not null,

nom varchar(45) NOT NULL,

prenom varchar(45) NOT NULL,

telephone varchar(45) DEFAULT NULL,

CONSTRAINT PK\_ID\_ens PRIMARY KEY(ID\_ens));

INSERT INTO Enseignant values (1, 'Dubois', 'Jean', ' 012345678');

INSERT INTO Enseignant values (2, 'LEGRAND', 'EMILIE', ' 012345678');

INSERT INTO Enseignant values (10, 'Nom10', 'Prenom10', ' 012345678');

INSERT INTO Enseignant values (11, 'Nom10', 'Prenom11', ' 012345678');

CREATE TABLE Etudiant (

ID\_etudiant integer NOT NULL,

nom varchar(45) NOT NULL,

prenom varchar(45) NOT NULL,

provenance varchar(45) NOT NULL,

Formation\_precedante varchar(45) NOT NULL,

Pays\_Formation\_precedante varchar(45) NOT NULL,

Annee\_debut integer NOT NULL,

Niveau\_inscription varchar(45) NOT NULL,

telephone varchar(45) DEFAULT NULL,

dateNaissance date NOT NULL,

CONSTRAINT PK\_ID PRIMARY KEY (ID\_etudiant) );

INSERT INTO Etudiant values (10, 'Nom10', 'Prenom10', 'fr', 'Licence', 'fr', 2008, 'M1', '012345678' , TO\_DATE('05/03/1985', 'dd/mm/yyyy'));

INSERT INTO Etudiant values (11, 'Nom11', 'Prenom11', 'de', 'M1', 'fr', 2009, 'M2', '012345678', TO\_DATE('08/09/1985', 'dd/mm/yyyy'));

INSERT INTO Etudiant values (12, 'Nom12', 'Prenom12', 'it', 'Licence', 'it', 2008, 'M1', '012345678', TO\_DATE('02/07/1987', 'dd/mm/yyyy'));

CREATE TABLE Cours (

NumCours integer NOT NULL,

libele varchar(45) NOT NULL,

niveau varchar(45) NOT NULL,

type varchar(45) NOT NULL,

CONSTRAINT PK\_NumCours PRIMARY KEY (NumCours));

INSERT INTO Cours values (1, 'SGBD', 'M1', 'CM');

INSERT INTO Cours values (2, 'SGBDA', 'M2', 'CM');

INSERT INTO Cours values (3, 'SGBD', 'M1', 'TD');

INSERT INTO Cours values (4, 'SGBDA', 'M2', 'TD');

INSERT INTO Cours values (5, 'ID', 'M2', 'CM');

INSERT INTO Cours values (6, 'ID', 'M2', 'TD');

CREATE TABLE Enseigne (

NumEns integer NOT NULL,

NumCours integer NOT NULL,

Annee integer NOT NULL,

CONSTRAINT PK\_Ens PRIMARY KEY (NumEns,NumCours,Annee),

Constraint FK\_Ens Foreign key (NumEns) references Enseignant(ID\_ens),

Constraint FK\_Cours Foreign key (NumCours) references Cours(NumCours) );

INSERT INTO Enseigne values (1, 1, 2008);

INSERT INTO Enseigne values (2, 2, 2009);

INSERT INTO Enseigne values (10, 3, 2008);

INSERT INTO Enseigne values (11, 4, 2009);

INSERT INTO Enseigne values (10, 5, 2009);

INSERT INTO Enseigne values (11, 6, 2009);

CREATE TABLE Inscription (

NumEt integer NOT NULL,

NumCours integer NOT NULL,

Annee integer NOT NULL,

Note\_cours integer NOT NULL,

Constraint FK\_etudiant Foreign key (NumEt) references Etudiant (ID\_etudiant),

Constraint FK\_cours\_ins Foreign key (NumCours) references Cours (NumCours),

CONSTRAINT PK\_LC PRIMARY KEY (NumEt, NumCours,Annee) );

INSERT INTO Inscription values (10, 1, 2008,10);

INSERT INTO Inscription values (11, 2, 2009,12);

INSERT INTO Inscription values (12, 1, 2008,14);

INSERT INTO Inscription values (10, 3, 2008,16);

INSERT INTO Inscription values (11, 4, 2009,10);

INSERT INTO Inscription values (12, 3, 2008,12);

INSERT INTO Inscription values (11, 5, 2009,14);

INSERT INTO Inscription values (11, 6, 2009,16);