**\*\*\*\*\*\*\*\*\*\*\*\*\*Gestion\_des\_etudiants.sql\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**-- DROP TABLE** RESULTAT;

**-- DROP TABLE** EXAMEN;

**-- DROP TABLE** PREREQUIS;

**-- DROP TABLE** INSCRIPTION;

**-- DROP TABLE** MODULE;

**-- DROP TABLE** ETUDIANT;

**CREATE** TABLE **ETUDIANT**

(numEtud number,

nom varchar2 (40),

prenom varchar2 (40),

datenaiss date ,

civilite varchar2 (4) ,

Patronyme varchar2 (40),

numsecu varchar2 (15) NOT NULL,

moyenne NUMBER DEFAULT NULL);

**CREATE** TABLE **MODULE**

(codMod number,

nomMod varchar2 (15),

effecMax number DEFAULT 30,

effec number default 0);

**CREATE** TABLE **EXAMEN**

(codMod number,

codExam number,

dateExam date);

**CREATE** TABLE **INSCRIPTION**

(numEtud number,

codMod number,

dateInsc date default sysdate);

**CREATE** TABLE **PREREQUIS**

(codMod number,

codModPrereq number,

noteMin number (4, 2) NOT NULL);

**CREATE** TABLE **RESULTAT**

(codMod number,

codExam number,

numEtud number,

Note number (4, 2));

**ALTER** TABLE **ETUDIANT** ADD CONSTRAINT pk\_etudiant **PRIMARY KEY** (numEtud);

**ALTER** TABLE **MODULE** ADD CONSTRAINT pk\_module **PRIMARY KEY** (codMod);

**ALTER** TABLE **EXAMEN** ADD CONSTRAINT pk\_examen **PRIMARY KEY** (codMod, codExam);

**ALTER** TABLE **PREREQUIS** ADD CONSTRAINT pk\_prerequis **PRIMARY KEY** (codMod, codModPrereq);

**ALTER** TABLE **INSCRIPTION** ADD CONSTRAINT pk\_inscription **PRIMARY KEY** (codMod, numEtud);

**ALTER** TABLE **RESULTAT** ADD CONSTRAINT pk\_resultat **PRIMARY KEY** (codMod, numEtud, codExam);

**ALTER** TABLE **INSCRIPTION** ADD (CONSTRAINT fk\_inscription\_etudiant **FOREIGN KEY** (numEtud) REFERENCES ETUDIANT (numEtud) , CONSTRAINT fk\_inscription\_module **FOREIGN KEY** (codMod) REFERENCES MODULE (codMod) ) ;

**ALTER** TABLE **PREREQUIS** ADD (CONSTRAINT fk\_prerequis\_codmod **FOREIGN KEY** (codMod) REFERENCES MODULE (codMod), CONSTRAINT fk\_prerequis\_codmodprereq **FOREIGN KEY** (codModPrereq) REFERENCES MODULE (codMod));

**ALTER** TABLE **EXAMEN** ADD CONSTRAINT fk\_examen **FOREIGN KEY (**codMod) REFERENCES MODULE (codMod);

**ALTER** TABLE **RESULTAT** ADD (CONSTRAINT fk\_resultat\_examen **FOREIGN KEY** (codMod , codExam) REFERENCES EXAMEN (codMod , codExam), CONSTRAINT fk\_resultat\_inscription **FOREIGN KEY** (codMod , numEtud) REFERENCES INSCRIPTION (codMod , numEtud) ) ;

**ALTER** TABLE **ETUDIANT** ADD (CONSTRAINT ck\_civilite **CHECK** (civilite IN ('Mr', 'Mme', 'Mlle')), CONSTRAINT ck\_civilite\_numse **CHECK** (SUBSTR (numsecu, 1, 1) = '2' OR patronyme IS NULL), CONSTRAINT ck\_length\_numsecu **CHECK** (length (numsecu) = 15), CONSTRAINT c\_annee\_numsecu **CHECK** (to\_char(datenaiss , 'yy') = substr (numsecu , 2 , 2))) ;