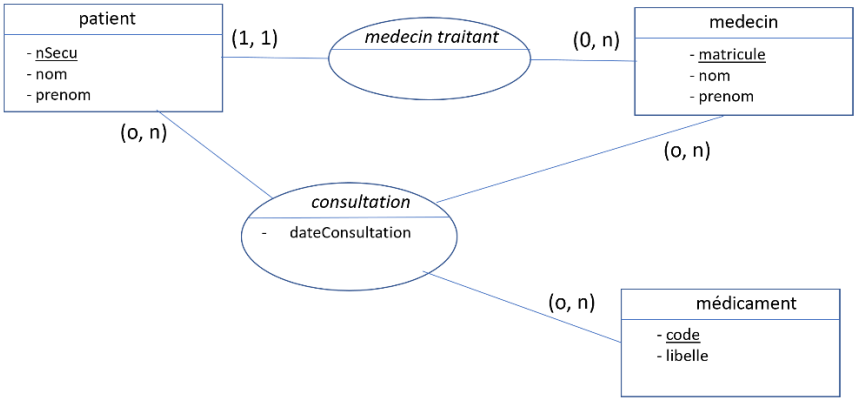
TD-6 : MCD ET CREATION BD EN SQL

SOLUTION

EXERCICE 1 : Construction d'un MCD

1.1 MCD :



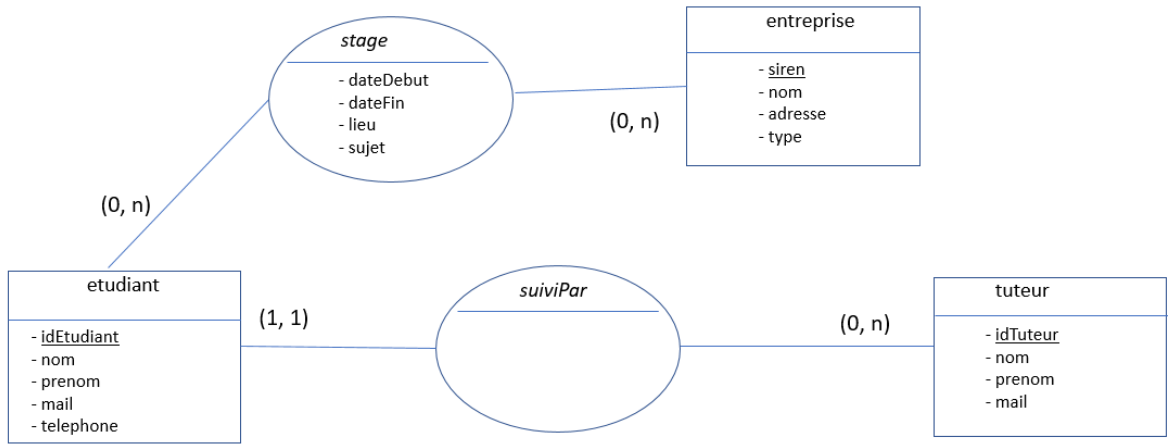
1.2 SCRIPT SQL :

```
DROP SCHEMA IF EXISTS medecine cascade;
CREATE SCHEMA medecine;

CREATE TABLE medecine.medecin (
        matricule VARCHAR(32),
        nom VARCHAR(32),
        prenom VARCHAR(32),
        CONSTRAINT pk_medecin PRIMARY KEY (matricule)
);

CREATE TABLE medecine.patient(
        nSecu INT,
        nom VARCHAR(32) ,
        prenom VARCHAR(32) ,
        medTraitant VARCHAR(32) ,
        CONSTRAINT pk_patient PRIMARY KEY (nSecu),
        CONSTRAINT fk_patient_medecin FOREIGN KEY (medTraitant) REFERENCES medecine.medecin
(matricule)
);


CREATE TABLE medecine.medicament (
        code VARCHAR(32),
        libelle VARCHAR(32),
        CONSTRAINT pk_medicament PRIMARY KEY (code)
);


CREATE TABLE medecine.consultation (
        matriculeMedecin VARCHAR(32),
```

```
    nSecu INT,
    codeMedicament VARCHAR(32),
    dateConsultation date,
    CONSTRAINT pk_consultation PRIMARY KEY (nSecu, matriculeMedecin, dateConsultation),
    CONSTRAINT fk_consultation_medecin FOREIGN KEY (matriculeMedecin) REFERENCES
medecine.medecin(matricule),
    CONSTRAINT fk_consultation_patient FOREIGN KEY (nSecu) REFERENCES
medecine.patient(nSecu),
    CONSTRAINT fk_consultation_medicament FOREIGN KEY (codeMedicament) REFERENCES
medecine.medicament(code)
);
```

EXERCICE 2 : Construction d'un MCD + SCRIPT

2.1 MCD



2.2 SCRIPT SQL

```
DROP SCHEMA IF EXISTS stageIUT cascade;
CREATE SCHEMA stageIUT ;

CREATE TABLE stageIUT.entreprise (
        siren VARCHAR(32),
        nom VARCHAR(32),
        adresse VARCHAR(32),
        type VARCHAR(32),
        CONSTRAINT pk_entreprise PRIMARY KEY (siren)
);

CREATE TABLE  stageIUT.tuteur(
        idTuteur INT,
        nom VARCHAR(32),
        prenom VARCHAR(32),
```

```
        mail VARCHAR(32),
        CONSTRAINT pk_tuteur PRIMARY KEY (idTuteur)
);

CREATE TABLE stageIUT.etudiant(
        idEtudiant INT,
        nom VARCHAR(32),
        prenom VARCHAR(32),
        mail VARCHAR(32),
        telephone VARCHAR(32),
        idTuteur INT,
        CONSTRAINT pk_etudiant PRIMARY KEY (idEtudiant),
        CONSTRAINT fk_etudiant_tuteur FOREIGN KEY (idTuteur) REFERENCES
stageIUT.tuteur(idTuteur)
  );

CREATE TABLE stageIUT.stage(
        siren VARCHAR(32),
        idEtudiant INT,
        dateDebut date,
        dateFin date,
        lieu VARCHAR(32),
        sujet TEXT,
        CONSTRAINT pk_stage PRIMARY KEY (siren, idEtudiant),
        CONSTRAINT fk_stage_etudiant FOREIGN KEY (idEtudiant) REFERENCES
stageIUT.etudiant(idEtudiant),
        CONSTRAINT fk_stage_entreprise FOREIGN KEY (siren) REFERENCES
stageIUT.entreprise(siren)
  );
```