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DROP TABLE IF EXISTS Equipes ;
CREATE TABLE Equipes (equipnum INT ,
equipnom VARCHAR(50),
datecreation DATE,
PRIMARY KEY (equipnum)) ;

DROP TABLE IF EXISTS Organisme ;
CREATE TABLE Organisme (codorg INT ,
nomorg VARCHAR(16),
adrorg VARCHAR(100),
qualif VARCHAR(16),
PRIMARY KEY (codorg)) ;

DROP TABLE IF EXISTS Domaines ;
CREATE TABLE Domaines (domainnum INT ,
désignation VARCHAR(50),
PRIMARY KEY (domainnum)) ;

DROP TABLE IF EXISTS Membres ;
CREATE TABLE Membres (persnum INT ,
persnom VARCHAR(50),
persprenom VARCHAR(50),
statut VARCHAR(16),
grade INT,
respequip BOOLEAN,
equipnum INT,
PRIMARY KEY (persnum),
FOREIGN KEY (equipnum) REFERENCES Equipes (equipnum)) ;

DROP TABLE IF EXISTS Projet ;
CREATE TABLE Projet (projnom VARCHAR(8) ,
projdebut DATE,
projduree INT,
respnum INT,
domainnum INT,
PRIMARY KEY (projnom),
FOREIGN KEY (domainnum) REFERENCES Domaines (domainnum),
FOREIGN KEY (respnum) REFERENCES Membres (persnum)) ;

DROP TABLE IF EXISTS Publications ;
CREATE TABLE Publications (publinum INT ,
titre VARCHAR(256),
publirate DATE,
publitype VARCHAR(16),
projnom VARCHAR(8),
PRIMARY KEY (publinum),
FOREIGN KEY (projnom) REFERENCES Projet (projnom)) ;

DROP TABLE IF EXISTS Contrat ;
CREATE TABLE Contrat (contnum INT ,
contdebut DATE,
montant BIGINT,
projnom VARCHAR(8),
PRIMARY KEY (contnum),
FOREIGN KEY (projnom) REFERENCES Projet (projnom)) ;

DROP TABLE IF EXISTS Contacts ;

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CREATE TABLE Contacts (idcontact INT ,
civilcontac VARCHAR(8),
nomcontac VARCHAR(50),
prencontac VARCHAR(50),
telcontac VARCHAR(16),
faxcontac VARCHAR(16),
mailcontac VARCHAR(100),
codorg INT,
PRIMARY KEY (idcontact),
FOREIGN KEY (codorg) REFERENCES Organisme (codorg)) ;

DROP TABLE IF EXISTS Auteurs ;
CREATE TABLE Auteurs (auteurnum INT ,
publinum INT ,
numordre SMALLINT,
PRIMARY KEY (auteurnum, publinum),
FOREIGN KEY (auteurnum) REFERENCES Membres (persnum),
FOREIGN KEY (publinum) REFERENCES Publications (publinum)) ;

DROP TABLE IF EXISTS Financement ;
CREATE TABLE Financement (contnum INT ,
codorg INT ,
apport BIGINT,
PRIMARY KEY (contnum, codorg),
FOREIGN KEY (contnum) REFERENCES Contrat (contnum),
FOREIGN KEY (codorg) REFERENCES Organisme (codorg)) ;

DROP TABLE IF EXISTS ParticipProj ;
CREATE TABLE ParticipProj (persnum INT ,
projnom VARCHAR(8) ,
tauxparticip INT,
PRIMARY KEY (persnum, projnom),
FOREIGN KEY (persnum) REFERENCES Membres (persnum),
FOREIGN KEY (projnom) REFERENCES Projet (projnom)) ;

DROP TABLE IF EXISTS Dev-Proj ;
CREATE TABLE Dev-Proj (equipnum INT ,
projnom VARCHAR(8) ,
porteur BOOL,
PRIMARY KEY (equipnum, projnom),
FOREIGN KEY (equipnum) REFERENCES Equipes (equipnum),
FOREIGN KEY (projnom) REFERENCES Projet (projnom)) ;

DROP TABLE IF EXISTS ContraSuivi ;
CREATE TABLE ContraSuivi (contnum INT ,
idcontact INT ,
PRIMARY KEY (contnum, idcontact),
FOREIGN KEY (contnum) REFERENCES Contrat (contnum),
FOREIGN KEY (idcontact) REFERENCES Contacts (idcontact)) ;

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