--------------------------------------------------------------  
-- Script MySQL.  
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--------------------------------------------------------------  
-- Table: Local  
--------------------------------------------------------------

CREATE TABLE Local(

numLocal Int NOT NULL ,  
 nomLocal Varchar (25) NOT NULL ,  
 lieuLocal Varchar (25) NOT NULL ,  
 nbrSalle Int NOT NULL ,

PRIMARY KEY (numLocal )  
);

--------------------------------------------------------------  
-- Table: Salle  
--------------------------------------------------------------

CREATE TABLE Salle(  
  
 numSalle Int NOT NULL ,  
 nomSalle Varchar (32) NOT NULL ,  
 lieuSalle Varchar (32) NOT NULL ,  
 nbrAppareil Int NOT NULL,  
 numLocal Int NOT NULL ,

PRIMARY KEY (numSalle )  
);

--------------------------------------------------------------  
-- Table: Appareil  
--------------------------------------------------------------

CREATE TABLE Appareil(

idAppareil Int NOT NULL ,  
nomApp Varchar (32) NOT NULL ,  
typeAppareil Varchar (32) NOT NULL ,  
SystExpAppareil Varchar (32) ,  
Nomfirmware Varchar (32) NOT NULL ,  
Active Bool ,  
lieuAppareil Varchar (32) ,  
numSalle Int NOT NULL ,

PRIMARY KEY (idAppareil )  
);

--------------------------------------------------------------  
-- Table: Carte Reseau  
--------------------------------------------------------------

CREATE TABLE Carte\_Reseau(

adrMacAppareil Varchar (32) NOT NULL ,

idAppareil Int NOT NULL ,

PRIMARY KEY (adrMacAppareil )

);

--------------------------------------------------------------  
-- Table: êtreConnecter  
--------------------------------------------------------------

CREATE TABLE etreConnecter(

idAppareil Int NOT NULL ,  
idAppareil\_1 Int NOT NULL ,

PRIMARY KEY (idAppareil ,idAppareil\_1 )  
);

ALTER TABLE Salle ADD CONSTRAINT FK\_Salle\_numLocal FOREIGN KEY (numLocal) REFERENCES Local(numLocal);

ALTER TABLE Appareil ADD CONSTRAINT FK\_Appareil\_numSalle FOREIGN KEY (numSalle) REFERENCES Salle(numSalle);

ALTER TABLE Carte\_Reseau ADD CONSTRAINT FK\_Carte\_Reseau\_idAppareil FOREIGN KEY (idAppareil) REFERENCES Appareil(idAppareil);

ALTER TABLE etreConnecter ADD CONSTRAINT FK\_etreConnecter\_idAppareil FOREIGN KEY (idAppareil) REFERENCES Appareil(idAppareil);

ALTER TABLE etreConnecter ADD CONSTRAINT FK\_etreConnecter\_idAppareil\_1 FOREIGN KEY (idAppareil\_1) REFERENCES Appareil(idAppareil);

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-- VISUALISATION DES TABLES  
------------------------  
SELECT \* FROM nom\_table ;  
------------------------  
-- Remplissage des tables  
------------------------  
-----------------------  
--- Local  
-----------------------  
  
INSERT INTO Local (numlocal,nomlocal,lieulocal,nbrsalle) VALUES (1, 'U1', 'Université Paul Sabatier', 2);  
INSERT INTO Local (numlocal,nomlocal,lieulocal,nbrsalle) VALUES (2, 'U2', Université Paul Sabatier', 1);  
INSERT INTO Local (numlocal,nomlocal,lieulocal,nbrsalle) VALUES (3, 'U3', ' Université Paul Sabatier', 1);  
INSERT INTO Local (numlocal,nomlocal,lieulocal,nbrsalle) VALUES (4, 'U4', ' Université Paul Sabatier', 3);  
  
-----------------------  
--- Salle  
-----------------------  
  
INSERT INTO Salle (numSalle,nomSalle,lieuSalle,nbrAppareil,numlocal) VALUES (1, '211', 'U1',16, 1);  
INSERT INTO Salle (numSalle,nomSalle,lieuSalle,nbrAppareil,numlocal) VALUES (1, '212', 'U1',16, 1);  
INSERT INTO Salle (numSalle,nomSalle,lieuSalle,nbrAppareil,numlocal) VALUES (1, '213', 'U2',16, 2);  
INSERT INTO Salle (numSalle,nomSalle,lieuSalle,nbrAppareil,numlocal) VALUES (1, '214', 'U3',16, 3) ;  
INSERT INTO Salle (numSalle,nomSalle,lieuSalle,nbrAppareil,numlocal) VALUES (1, '220', 'U4',16, 4);  
INSERT INTO Salle (numSalle,nomSalle,lieuSalle,nbrAppareil,numlocal) VALUES (1, '221', 'U4',16, 4);   
INSERT INTO Salle (numSalle,nomSalle,lieuSalle,nbrAppareil,numlocal) VALUES (1, '222', 'U4',16, 4);  
  
-----------------------  
--- Appareil  
-----------------------  
INTO Appareil (idAppareil,nomApp,typeAppareil,SystExpAppareil,nomFirmware,Active,lieuAppareil,numSalle) VALUES (1,'dagobah','ordinateur', 'windows','BIOS','FALSE','U1', 1);  
INSERT INTO Appareil (idAppareil,nomApp,typeAppareil,SystExpAppareil,nomFirmware,Active,lieuAppareil,numSalle) VALUES (2,'hoth','tablette','windows','BIOS','FALSE','U1', 2);  
INSERT INTO Appareil (idAppareil,nomApp,typeAppareil,SystExpAppareil,nomFirmware,Active,lieuAppareil,numSalle) VALUES (3,'tatoine','routeur','windows','BIOS','TRUE','U2', 3);  
INSERT INTO Appareil (idAppareil,nomApp,typeAppareil,SystExpAppareil,nomFirmware,Active,lieuAppareil,numSalle) VALUES (4,'yavin','ordinateur', 'windows','BIOS','TRUE','U4', 5);  
  
-----------------------  
--- Carte Réseau  
-----------------------  
INSERT INTO Carte\_Reseau (adrMacAppareil,idAppareil) VALUES ('00:1b:9e:df:5a:7a',1);  
INSERT INTO Carte\_Reseau (adrMacAppareil,idAppareil) VALUES ('00:1c:bf:bb:5b:7b',1);  
INSERT INTO Carte\_Reseau (adrMacAppareil,idAppareil) VALUES ('00:1d:50:cc:5c:3a',2);  
INSERT INTO Carte\_Reseau (adrMacAppareil,idAppareil) VALUES ('00:1e:05:d2:5d:07',3);  
INSERT INTO Carte\_Reseau (adrMacAppareil,idAppareil) VALUES ('00:1f:02:d2:5e:11',4);

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--- Etre Connecter  
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INSERT INTO EtreConnecter (idAppareil ,idAppareil\_1 ) VALUES (3,4);  
INSERT INTO EtreConnecter (idAppareil ,idAppareil\_1 ) VALUES (4,3);