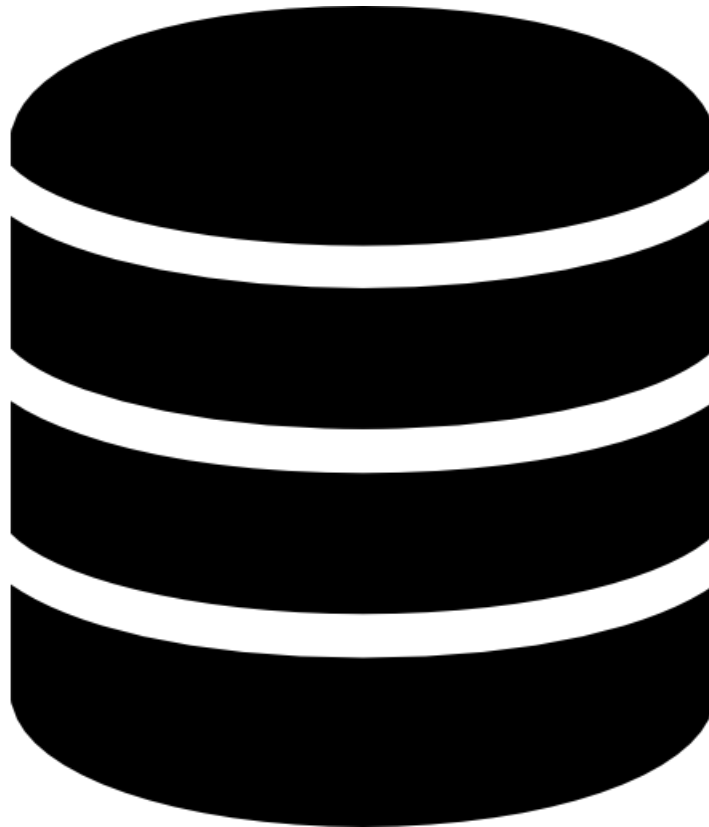# BUT1 G3 Informatique [2024-2025]
SAE 2.04 : Exploitation BD

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Pour le 4 avril 2025

Lien du repository regroupant tous les fichiers autour de la BD :
https://github.com/Nathangr06/S204_Groupe

Partie 1 : CRÉATION DE LA BD IMMO

Q1/Q2 :

-- V1.1.0

PROMPT "Création de la base de données IMMO";

-- *** Définition des données

PROMPT "Définition des données";

```
DROP TABLE PROPRIO CASCADE CONSTRAINTS PURGE;
DROP TABLE ESPACE CASCADE CONSTRAINTS PURGE;
DROP TABLE BIEN CASCADE CONSTRAINTS PURGE;

CREATE TABLE PROPRIO(
        IDP NUMBER(10,0),
        NOM VARCHAR2(20),
        PRENOM VARCHAR2(20),
        CONSTRAINT PK_PROPRIO PRIMARY KEY(IDP),
        CONSTRAINT CH_PROPRIO_NOM CHECK (NOM IS NOT NULL),
        CONSTRAINT CH2_PROPRIO_PRENOM CHECK (PRENOM IS NOT NULL)
);

CREATE TABLE ESPACE(
        IDE NUMBER(10,0),
        DESIGNATION VARCHAR2(25),
        SUPERFICIE NUMBER(10,0),
        IDERATTACH NUMBER(10,0),
        CONSTRAINT PK_ESPACE PRIMARY KEY(IDE),
        CONSTRAINT FK_ESPACE_ESPACE FOREIGN KEY(IDERATTACH) REFERENCES
ESPACE(IDE),
        CONSTRAINT CH_ESPACE_DESIGNATION CHECK (DESIGNATION IS NOT NULL),
        CONSTRAINT CH_ESPACE_SUPERFICIE CHECK (SUPERFICIE > 0)
);
```

```sql
CREATE TABLE BIEN(
        IDEBIEN NUMBER(10,0),
        CATEGORIE VARCHAR2(20),
        TYPE VARCHAR2(10),
        IDP NUMBER(10,0),
        VILLE VARCHAR2(20),
        PRIX NUMBER(10),
        CONSTRAINT PK_BIEN PRIMARY KEY(IDEBIEN),
        CONSTRAINT FK_BIEN_ESPACE FOREIGN KEY(IDEBIEN) REFERENCES
ESPACE(IDE),
        CONSTRAINT FK2_BIEN_PROPRIO FOREIGN KEY(IDP) REFERENCES
PROPRIO(IDP),
        CONSTRAINT CH_BIEN_CATEGORIE CHECK (CATEGORIE IN
('APPARTEMENT','MAISON DE VILLE','VILLA','HLM','LOGEMENT
BIDONVILLE','MANOIR','CHALET','BUNGALOW', 'MAISON DE VILLE')),
        CONSTRAINT CH2_BIEN_TYPE CHECK (TYPE IN
('STUDIO','T1','T2','T3','T4','T5','T6','T8','T9'))
);

-- *************************************************************************** Insertions des données


PROMPT "Insertions des données";


PROMPT "Insertions des données de la table ESPACE";
PROMPT "1er STUDIO id=945";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(945,'STUDIO',60,NULL);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(946,'SALLE D''EAU',15,945);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(947,'PIECE A VIVRE',45,945);


PROMPT "2e STUDIO id=10XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(1000,'STUDIO',60,NULL);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(1001,'SALLE D''EAU',15,1000);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(1002,'PIECE A VIVRE',45,1000);
```

```sql
PROMPT "3e STUDIO id=11XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(1100,'STUDIO',60,NULL);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(1101,'SALLE D''EAU',15,1100);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(1102,'PIECE A VIVRE',45,1100);


PROMPT "1er VILLA id=20XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2000,'VILLA',320,NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2001,'TERRASSE',200,2000);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2002,'INTERIEUR',120,2000);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2003,'PISCINE',35,2001);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2004,'COULOIR',20,2002);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2005,'SALLE DE BAIN',8,2002);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2006,'CHAMBRE',12,2002);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2007,'CHAMBRE',12,2002);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2008,'CHAMBRE',10,2002);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2009,'SALON',45,2002);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2010,'PLACARD',10,2004);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2011,'SALLE DE BAIN',10,2004);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2012,'CUISINE',12,2009);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2013,'SEJOUR',25,2009);
```

```sql
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2014,'SALLE A MANGER',8,2009);


PROMPT "2e VILLA id=21XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2100,'VILLA',320,NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2101,'TERRASSE',200,2100);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2102,'INTERIEUR',120,2100);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2103,'PISCINE',35,2101);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2104,'COULOIR',20,2102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2105,'SALLE DE BAIN',8,2102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2106,'CHAMBRE',12,2102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2107,'CHAMBRE',12,2102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2108,'CHAMBRE',10,2102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2109,'SALON',45,2102);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2110,'PLACARD',10,2104);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2111,'SALLE DE BAIN',10,2104);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2112,'CUISINE',12,2109);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2113,'SEJOUR',25,2109);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2114,'SALLE A MANGER',8,2109);

PROMPT "3e VILLA id=22XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2200,'VILLA',320,NULL);
```

```sql
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2201,'TERRASSE',200,2200);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2202,'INTERIEUR',120,2200);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2203,'PISCINE',35,2201);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2204,'COULOIR',20,2202);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2205,'SALLE DE BAIN',8,2202);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2206,'CHAMBRE',12,2202);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2207,'CHAMBRE',12,2202);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2208,'CHAMBRE',10,2202);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2209,'SALON',45,2202);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2210,'PLACARD',10,2204);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2211,'SALLE DE BAIN',10,2204);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2212,'CUISINE',12,2209);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2213,'SEJOUR',25,2209);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH)
VALUES(2214,'SALLE A MANGER',8,2209);


PROMPT "1er APPARTEMENT T3 id=30XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3000,
'APPARTEMENT',79, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3001,
'INTERIEUR', 66, 3000);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3002,
'BALCON', 13, 3000);
```

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3003, 'SALON', 30, 3001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3004, 'CUISINE', 10, 3001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3005, 'COULOIR', 8, 3001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3006, 'CHAMBRE', 7, 3001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3007, 'CHAMBRE', 9, 3001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3008, 'TOILETTES', 2, 3001);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3009, 'SALLE A MANGER', 5, 3003);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3010, 'SEJOUR', 25, 3003);

PROMPT "2e APPARTEMENT T3 id=31XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3100, 'APPARTEMENT',79, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3101, 'INTERIEUR', 66, 3100);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3102, 'BALCON', 13, 3100);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3103, 'SALON', 30, 3101);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3104, 'CUISINE', 10, 3101);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3105, 'COULOIR', 8, 3101);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3106, 'CHAMBRE', 7, 3101);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3107, 'CHAMBRE', 9, 3101);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3108, 'TOILETTES', 2, 3101);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3109, 'SALLE A MANGER', 5, 3103);

```
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3110,
'SEJOUR', 25, 3103);


PROMPT "3e APPARTEMENT T3 id=32XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3200,
'APPARTEMENT',79, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3201,
'INTERIEUR', 66, 3200);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3202,
'BALCON', 13, 3200);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3203,
'SALON', 30, 3201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3204,
'CUISINE', 10, 3201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3205,
'COULOIR', 8, 3201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3206,
'CHAMBRE', 7, 3201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3207,
'CHAMBRE', 9, 3201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3208,
'TOILETTES', 2, 3201);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3209,
'SALLE A MANGER', 5, 3203);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(3210,
'SEJOUR', 25, 3203);


PROMPT "1er MANOIR id=40XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4000,
'MANOIR', 10270, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4001,
'INTERIEUR', 270, 4000);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4002,
'EXTERIEUR', 10000, 4000);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4003,
'GARAGE', 100, 4002);
```

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4004, 'JARDIN', 9900, 4002);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4005, '1ER ETAGE', 125, 4001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4006, 'RDC', 145, 4001);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4007, 'CHAMBRE PRINCIPALE', 35, 4005);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4008, 'CHAMBRE D''AMIS', 20, 4005);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4009, 'CHAMBRE D''AMIS', 20, 4005);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4010, 'SALLE DE BAIN PRINCIPALE', 25, 4005);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4011, 'SALLE FAMILIALE', 30, 4005);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4012, 'CHAMBRE ENFANT', 15, 4005);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4013, 'HALL D''ENTREE', 20, 4006);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4014, 'SALON', 40, 4006);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4015, 'SALLE A MANGER', 30, 4006);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4016, 'CUISINE', 25, 4006);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4017, 'BUREAU', 20, 4006);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4018, 'CHAMBRE D''AMIS', 20, 4006);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4019, 'SALLE DE BAIN INVITES', 10, 4006);

PROMPT "2e MANOIR id=41XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4100, 'MANOIR', 10270, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4101, 'INTERIEUR', 270, 4100);

```
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4102,
'EXTERIEUR', 10000, 4100);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4103,
'GARAGE', 100, 4102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4104,
'JARDIN', 9900, 4102);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4105,
'1ER ETAGE', 125, 4101);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4106,
'RDC', 145, 4101);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4107,
'CHAMBRE PRINCIPALE', 35, 4105);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4108,
'CHAMBRE D''AMIS', 20, 4105);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4109,
'CHAMBRE D''AMIS', 20, 4105);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4110,
'SALLE DE BAIN PRINCIPALE', 25, 4105);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4111,
'SALLE FAMILIALE', 30, 4105);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4112,
'CHAMBRE ENFANT', 15, 4105);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4113,
'HALL D''ENTREE', 20, 4106);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4114,
'SALON', 40, 4106);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4115,
'SALLE A MANGER', 30, 4106);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4116,
'CUISINE', 25, 4106);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4117,
'BUREAU', 20, 4106);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4118,
'CHAMBRE D''AMIS', 20, 4106);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(4119,
'SALLE DE BAIN INVITES', 10, 4106);


PROMPT "1er CHALET id=50XX";
```

```sql
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5000,
'CHALET', 166, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5001,
'INTERIEUR', 57, 5000);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5002,
'EXTERIEUR', 109, 5000);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5003,
'SALON', 30, 5001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5004,
'CHAMBRE', 10, 5001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5005,
'CUISINE', 8, 5001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5006,
'SALLE DE BAIN', 5, 5001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5007,
'TOILETTES', 2, 5001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5008,
'PLACARD', 2, 5001);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5009,
'BALCON', 9, 5002);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5010,
'JARDIN', 100, 5002);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5011,
'SEJOUR', 20, 5003);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5012,
'SALLE A MANGER', 10, 5003);


PROMPT "2e CHALET id=51XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5100,
'CHALET', 166, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5101,
'INTERIEUR', 57, 5100);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5102,
'EXTERIEUR', 109, 5100);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5103,
'SALON', 30, 5101);
```

```sql
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5104,
'CHAMBRE', 10, 5101);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5105,
'CUISINE', 8, 5101);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5106,
'SALLE DE BAIN', 5, 5101);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5107,
'TOILETTES', 2, 5101);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5108,
'PLACARD', 2, 5101);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5109,
'BALCON', 9, 5102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5110,
'JARDIN', 100, 5102);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5111,
'SEJOUR', 20, 5103);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5112,
'SALLE A MANGER', 10, 5103);


PROMPT "3e CHALET id=52XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5200,
'CHALET', 166, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5201,
'INTERIEUR', 57, 5200);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5202,
'EXTERIEUR', 109, 5200);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5203,
'SALON', 30, 5201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5204,
'CHAMBRE', 10, 5201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5205,
'CUISINE', 8, 5201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5206,
'SALLE DE BAIN', 5, 5201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5207,
'TOILETTES', 2, 5201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5208,
'PLACARD', 2, 5201);
```

```sql
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5209,
'BALCON', 9, 5202);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5210,
'JARDIN', 100, 5202);


INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5211,
'SEJOUR', 20, 5203);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(5212,
'SALLE A MANGER', 10, 5203);



PROMPT "1er HLM id=60XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6000,
'HLM', 51, NULL);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6001,
'INTERIEUR',44, 6000);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6002,
'TERRASSE', 7, 6000);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6003,
'COIN JOUR', 25, 6001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6004,
'CHAMBRE', 12, 6001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6005,
'SALLE DE BAIN', 6, 6001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6006,
'CELIER', 1, 6001);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6007,
'ENTREE', 4, 6003);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6008,
'CUISINE', 7, 6003);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6009,
'SALON', 14, 6003);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6010,
'SEJOUR', 10, 6009);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6011,
'SALLE A MANGER', 4, 6009);


PROMPT "2e HLM id=61XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6100,
'HLM', 51, NULL);
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INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6101,
'INTERIEUR',44, 6100);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6102,
'TERRASSE', 7, 6100);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6103,
'COIN JOUR', 25, 6101);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6104,
'CHAMBRE', 12, 6101);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6105,
'SALLE DE BAIN', 6, 6101);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6106,
'CELIER', 1, 6101);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6107,
'ENTREE', 4, 6103);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6108,
'CUISINE', 7, 6103);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6109,
'SALON', 14, 6103);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6110,
'SEJOUR', 10, 6109);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6111,
'SALLE A MANGER', 4, 6109);


PROMPT "3e HLM id=62XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6200,
'HLM', 51, NULL);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6201,
'INTERIEUR',44, 6200);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6202,
'TERRASSE', 7, 6200);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6203,
'COIN JOUR', 25, 6201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6204,
'CHAMBRE', 12, 6201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6205,
'SALLE DE BAIN', 6, 6201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6206,
'CELIER', 1, 6201);
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INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6207, 'ENTREE', 4, 6203);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6208, 'CUISINE', 7, 6203);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6209, 'SALON', 14, 6203);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6210, 'SEJOUR', 10, 6209);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(6211, 'SALLE A MANGER', 4, 6209);

PROMPT "1er BUNGALOW id=70XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7000, 'BUNGALOW',36, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7001, 'INTERIEUR', 27, 7000);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7002, 'TERRASSE', 9, 7000);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7003, 'COIN JOUR', 15, 7001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7004, 'SALLE DE BAIN', 3, 7001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7005, 'CHAMBRE', 9, 7001);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7006, 'SALON', 10, 7003);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7007, 'CUISINE', 5, 7003);

PROMPT "2e BUNGALOW id=71XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7100, 'BUNGALOW',36, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7101, 'INTERIEUR', 27, 7100);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7102, 'TERRASSE', 9, 7100);

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INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7103,
'COIN JOUR', 15, 7101);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7104,
'SALLE DE BAIN', 3, 7101);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7105,
'CHAMBRE', 9, 7101);


INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7106,
'SALON', 10, 7103);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7107,
'CUISINE', 5, 7103);


PROMPT "3e BUNGALOW id=72XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7200,
'BUNGALOW',36, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7201,
'INTERIEUR', 27, 7200);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7202,
'TERRASSE', 9, 7200);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7203,
'COIN JOUR', 15, 7201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7204,
'SALLE DE BAIN', 3, 7201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7205,
'CHAMBRE', 9, 7201);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7206,
'SALON', 10, 7203);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(7207,
'CUISINE', 5, 7203);

PROMPT "1er MAISON DE VILLE id=80XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8000,
'MAISON DE VILLE', 136, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8001,
'RDC', 73, 8000);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8002,
'1ER ETAGE', 63, 8000);
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INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8003,
'COIN JOUR', 50, 8001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8004,
'BUREAU', 10, 8001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8005,
'ENTREE', 10, 8001);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8006,
'TOILETTES', 3, 8001);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8007,
'COULOIR', 15, 8002);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8008,
'ESCALIER', 4, 8002);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8009,
'CHAMBRE', 12, 8002);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8010,
'CHAMBRE', 12, 8002);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8011,
'CHAMBRE', 12, 8002);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8012,
'TOILETTES', 2, 8002);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8013,
'SALLE DE BAIN', 6, 8002);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8014,
'SALON', 34, 8003);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8015,
'CUISINE', 12, 8003);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8016,
'ESCALIER', 4, 8003);

PROMPT "2e MAISON DE VILLE id=81XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8100,
'MAISON DE VILLE', 135, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8101,
'RDC', 73, 8100);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8102,
'1ER ETAGE', 63, 8100);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8103,
'COIN JOUR', 53, 8101);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8104,
'BUREAU', 8, 8101);
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INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8105,
'ENTREE', 10, 8101);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8106,
'TOILETTES', 5, 8101);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8107,
'COULOIR', 12, 8102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8108,
'ESCALIER', 4, 8102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8109,
'CHAMBRE', 12, 8102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8110,
'CHAMBRE', 14, 8102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8111,
'CHAMBRE', 11, 8102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8112,
'TOILETTES', 3, 8102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8113,
'SALLE DE BAIN', 8, 8102);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8114,
'SALON', 35, 8103);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8115,
'CUISINE', 13, 8103);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8116,
'ESCALIER', 5, 8103);

PROMPT "3e MAISON DE VILLE id=82XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8200,
'MAISON DE VILLE', 138, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8201,
'RDC', 73, 8200);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8202,
'1ER ETAGE', 65, 8200);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8203,
'COIN JOUR', 50, 8201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8204,
'BUREAU', 10, 8201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8205,
'ENTREE', 10, 8201);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8206,
'TOILETTES', 3, 8201);
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INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8207, 'COULOIR', 15, 8202);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8208, 'ESCALIER', 4, 8202);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8209, 'CHAMBRE', 12, 8202);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8210, 'CHAMBRE', 12, 8202);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8211, 'CHAMBRE', 14, 8102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8212, 'TOILETTES', 2, 8202);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8213, 'SALLE DE BAIN', 6, 8202);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8214, 'SALON', 34, 8203);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8215, 'CUISINE', 12, 8203);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8216, 'ESCALIER', 4, 8203);

PROMPT "4e MAISON DE VILLE id=83XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8300, 'MAISON DE VILLE', 137, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8301, 'RDC', 74, 8300);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8302, '1ER ETAGE', 63, 8300);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8303, 'COIN JOUR', 55, 8301);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8304, 'BUREAU', 10, 8301);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8305, 'ENTREE', 7, 8301);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8306, 'TOILETTES', 2, 8301);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8307, 'COULOIR', 15, 8302);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8308, 'ESCALIER', 3, 8302);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8309, 'CHAMBRE', 13, 8302);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8310, 'CHAMBRE', 13, 8302);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8311, 'CHAMBRE', 11, 8102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8312, 'TOILETTES', 3, 8302);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8313, 'SALLE DE BAIN', 5, 8302);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8314, 'SALON', 34, 8303);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8315, 'CUISINE', 12, 8303);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8316, 'ESCALIER', 4, 8003);

PROMPT "5e MAISON DE VILLE id=84XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8400, 'MAISON DE VILLE', 136, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8401, 'RDC', 73, 8400);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8402, '1ER ETAGE', 63, 8400);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8403, 'COIN JOUR', 50, 8401);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8404, 'BUREAU', 10, 8401);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8405, 'ENTREE', 10, 8401);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8406, 'TOILETTES', 3, 8401);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8407, 'COULOIR', 15, 8402);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8408, 'ESCALIER', 4, 8402);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8409, 'CHAMBRE', 12, 8402);

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INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8410,
'CHAMBRE', 12, 8402);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8411,
'CHAMBRE', 14, 8102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8412,
'TOILETTES', 2, 8402);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8413,
'SALLE DE BAIN', 6, 8402);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8414,
'SALON', 34, 8403);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8415,
'CUISINE', 12, 8403);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8416,
'ESCALIER', 4, 8403);

PROMPT "6e MAISON DE VILLE id=85XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8500,
'MAISON DE VILLE', 136, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8501,
'RDC', 73, 8500);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8502,
'1ER ETAGE', 63, 8500);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8503,
'COIN JOUR', 50, 8501);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8504,
'BUREAU', 10, 8501);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8505,
'ENTREE', 10, 8501);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8506,
'TOILETTES', 3, 8501);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8507,
'COULOIR', 15, 8502);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8508,
'ESCALIER', 4, 8502);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8509,
'CHAMBRE', 12, 8502);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8510,
'CHAMBRE', 12, 8502);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8511,
'CHAMBRE', 12, 8102);
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INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8512, 'TOILETTES', 2, 8502);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8513, 'SALLE DE BAIN', 6, 8502);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8514, 'SALON', 34, 8503);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8515, 'CUISINE', 12, 8503);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8516, 'ESCALIER', 4, 8503);

PROMPT "7e MAISON DE VILLE id=86XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8600, 'MAISON DE VILLE', 136, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8601, 'RDC', 73, 8600);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8602, '1ER ETAGE', 63, 8600);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8603, 'COIN JOUR', 50, 8601);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8604, 'BUREAU', 10, 8601);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8605, 'ENTREE', 10, 8601);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8606, 'TOILETTES', 3, 8601);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8607, 'COULOIR', 15, 8602);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8608, 'ESCALIER', 4, 8602);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8609, 'CHAMBRE', 12, 8602);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8610, 'CHAMBRE', 12, 8602);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8611, 'CHAMBRE', 12, 8102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8612, 'TOILETTES', 2, 8602);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8613, 'SALLE DE BAIN', 6, 8602);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8614, 'SALON', 34, 8603);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8615, 'CUISINE', 12, 8603);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8616, 'ESCALIER', 4, 8603);

PROMPT "8e MAISON DE VILLE id=87XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8700, 'MAISON DE VILLE', 136, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8701, 'RDC', 73, 8700);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8702, '1ER ETAGE', 63, 8700);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8703, 'COIN JOUR', 50, 8701);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8704, 'BUREAU', 10, 8701);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8705, 'ENTREE', 10, 8701);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8706, 'TOILETTES', 3, 8701);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8707, 'COULOIR', 15, 8702);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8708, 'ESCALIER', 4, 8702);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8709, 'CHAMBRE', 12, 8702);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8710, 'CHAMBRE', 12, 8702);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8711, 'CHAMBRE', 12, 8102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8712, 'TOILETTES', 2, 8702);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8713, 'SALLE DE BAIN', 6, 8702);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8714, 'SALON', 34, 8703);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8715, 'CUISINE', 12, 8703);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8716, 'ESCALIER', 4, 8703);

PROMPT "9e MAISON DE VILLE id=88XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8800, 'MAISON DE VILLE', 136, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8801, 'RDC', 73, 8800);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8802, '1ER ETAGE', 63, 8800);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8803, 'COIN JOUR', 50, 8801);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8804, 'BUREAU', 10, 8801);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8805, 'ENTREE', 10, 8801);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8806, 'TOILETTES', 3, 8801);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8807, 'COULOIR', 15, 8802);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8808, 'ESCALIER', 4, 8802);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8809, 'CHAMBRE', 12, 8802);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8810, 'CHAMBRE', 12, 8802);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8811, 'CHAMBRE', 12, 8102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8812, 'TOILETTES', 2, 8802);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8813, 'SALLE DE BAIN', 6, 8802);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8814, 'SALON', 34, 8803);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8815, 'CUISINE', 12, 8803);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8816, 'ESCALIER', 4, 8003);

```sql
PROMPT "10e MAISON DE VILLE id=89XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8900,
'MAISON DE VILLE', 136, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8901,
'RDC', 73, 8900);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8902,
'1ER ETAGE', 63, 8900);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8903,
'COIN JOUR', 50, 8901);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8904,
'BUREAU', 10, 8901);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8905,
'ENTREE', 10, 8901);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8906,
'TOILETTES', 3, 8901);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8907,
'COULOIR', 15, 8902);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8908,
'ESCALIER', 4, 8902);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8909,
'CHAMBRE', 12, 8902);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8910,
'CHAMBRE', 12, 8902);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8911,
'CHAMBRE', 12, 8102);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8912,
'TOILETTES', 2, 8902);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8913,
'SALLE DE BAIN', 6, 8902);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8914,
'SALON', 34, 8903);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8915,
'CUISINE', 12, 8903);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(8916,
'ESCALIER', 4, 8903);

PROMPT "1er LOGEMENT BIDONVILLE id=90XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9000,
'LOGEMENT BIDONVILLE', 30, NULL);
```

```sql
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9001,
'ENTREE', 4, 9000);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9002,
'COIN DE VIE', 10, 9000);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9003,
'SALLE DE BAIN', 6, 9000);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9004,
'CHAMBRE', 10, 9000);


PROMPT "2e LOGEMENT BIDONVILLE id=91XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9100,
'LOGEMENT BIDONVILLE', 30, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9101,
'ENTREE', 4, 9100);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9102,
'COIN DE VIE', 10, 9100);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9103,
'SALLE DE BAIN', 6, 9100);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9104,
'CHAMBRE', 10, 9100);


PROMPT "3e LOGEMENT BIDONVILLE id=92XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9200,
'LOGEMENT BIDONVILLE', 30, NULL);

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9201,
'ENTREE', 4, 9200);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9202,
'COIN DE VIE', 10, 9200);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9203,
'SALLE DE BAIN', 6, 9200);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9204,
'CHAMBRE', 10, 9200);


PROMPT "4e LOGEMENT BIDONVILLE id=93XX";
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9300,
'LOGEMENT BIDONVILLE', 30, NULL);
```

INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9301, 'ENTREE', 4, 9300);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9302, 'COIN DE VIE', 10, 9300);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9303, 'SALLE DE BAIN', 6, 9300);
INSERT INTO ESPACE(IDE, DESIGNATION, SUPERFICIE, IDERATTACH) VALUES(9304, 'CHAMBRE', 10, 9300);

PROMPT "Insertions des données de la table PROPRIO";
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(1, 'GRIGUER', 'NATHAN');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(2, 'AMROUNE', 'AKIM');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(3, 'GUL', 'FURKAN');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(4, 'ZEGANNE', 'SOFIEN');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(5, 'ORLANDI', 'LENNY');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(6, 'DIAZ', 'GWENN');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(7, 'CELESTINE', 'SAMUEL');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(8, 'ANTOINE', 'THOMAS');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(9, 'BAURENS-TORRENTE', 'VALENTIN');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(10, 'BAGNIS', 'ENZO');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(11, 'SISE', 'ABOUBAKAR');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(12, 'RAPANAKIS-BOURG', 'MARIUS');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(13, 'RADJOU', 'DINESH');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(14, 'UYSUN', 'ALI');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(15, 'ALLARD', 'LOAN');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(16, 'RINALDI', 'ANTOINE');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(17, 'CLOT-GODARD', 'KENJI');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(18, 'NGOM','MAGUEYE');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(19, 'PIBOULEAU', 'JEAN-BAPTISTE');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(20, 'SENE', 'PABLO');

INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(21, 'ANNI', 'SAMUEL');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(22, 'MARTIN-NEVOT', 'MICKAEL');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(23, 'LAKHAL', 'LOTFI');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(24, 'JOUINI', 'RIM');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(25, 'MAKSSOUD', 'CRISTINE');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(26, 'GOUILLON', 'NICOLAS');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(27, 'YAHI','SAFA');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(28, 'FRANCON','DOMINIQUE');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(29, 'DELAMOTTE', 'PIERRICK');

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INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(30, 'MORANCEY', 'MORGAN');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(31, 'AGOSTINELLI', 'LAURANCE');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(32, 'CASALI', 'ALAIN');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(33, 'BETARI', 'ABDELKADER');
INSERT INTO PROPRIO (IDP, NOM,PRENOM) VALUES(105, 'LECHAT', 'LARRY');

/*
Tous les types de bâtiments :
- APPARTEMENT STUDIO (id=1000)
- VILLA T4 (id=2000)
- APPARTEMENT T3 (id=3000)
- MANOIR T9 (id=4000)
- CHALET T2 (id=5000)
- HLM T2 (id=6000)
- BUNGALOW T2 (id=7000)
*/

PROMPT "Insertions des données de la table BIEN";
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(945,
'APPARTEMENT', 'STUDIO', 1, 'MARSEILLE', 60000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(1000,
'APPARTEMENT', 'STUDIO', 1,'MARSEILLE', 70000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(1100,
'APPARTEMENT', 'STUDIO', 22,'MARSEILLE', 70000);

INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(2000, 'VILLA',
'T4', 3, 'MARSEILLE', 800000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(2100, 'VILLA',
'T4', 22, 'CEYRESTE', 700000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(2200, 'VILLA',
'T4', 105, 'AIX-EN-PROVENCE',600000);

INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(3000,
'APPARTEMENT', 'T3', 32, 'AIX-EN-PROVENCE', 120000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(3100,
'APPARTEMENT', 'T3', 22, 'AVIGNON', 100000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(3200,
'APPARTEMENT', 'T3', 5, 'SAINT-MAXIMIN', 150000);

INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(4000,
'MANOIR', 'T9', 10, 'BERRE', 800000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(4100,
'MANOIR', 'T9', 22, 'AIX-EN-PROVENCE', 900000);
```

```sql
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(5000, 'CHALET', 'T2', 22,'MARSEILLE', 90000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(5100, 'CHALET', 'T2', 31, 'MARSEILLE', 80000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(5200, 'CHALET', 'T2', 28, 'AIX-EN-PROVENCE', 100000);

INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(6000, 'HLM', 'T2', 22, 'AIX-EN-PROVENCE', 50000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(6100, 'HLM', 'T2', 33, 'AIX-EN-PROVENCE', 45000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(6200, 'HLM', 'T2', 18, 'MARSEILLE', 40000);

INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(7000, 'BUNGALOW', 'T2', 13, 'MARSEILLE', 43000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(7100, 'BUNGALOW', 'T2', 22, 'OK CORRAL', 36000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(7200, 'BUNGALOW', 'T2', 9, 'AIX-EN-PROVENCE',47000);

INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(8000, 'MAISON DE VILLE', 'T3', 7, 'MARSEILLE', 350000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(8100, 'MAISON DE VILLE', 'T3', 22, 'MARSEILLE', 340000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(8200, 'MAISON DE VILLE', 'T3', 17, 'MARSEILLE', 400000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(8300, 'MAISON DE VILLE', 'T3', 19, 'MARSEILLE', 410000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(8400, 'MAISON DE VILLE', 'T3', 23, 'MARSEILLE', 370000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(8500, 'MAISON DE VILLE', 'T3', 24, 'MARSEILLE', 390000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(8600, 'MAISON DE VILLE', 'T3', 25, 'MARSEILLE', 342000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(8700, 'MAISON DE VILLE', 'T3', 26, 'MARSEILLE', 365000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(8800, 'MAISON DE VILLE', 'T3', 27, 'MARSEILLE', 384000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(8900, 'MAISON DE VILLE', 'T3', 28, 'MARSEILLE', 346000);

INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(9000, 'LOGEMENT BIDONVILLE', 'T1', 22, 'AIX-EN-PROVENCE', 18000);
```

INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(9100, 'LOGEMENT BIDONVILLE', 'T1', 12, 'AIX-EN-PROVENCE', 15000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(9200, 'LOGEMENT BIDONVILLE', 'T1', 8, 'AIX-EN-PROVENCE', 16000);
INSERT INTO BIEN(IDEBIEN,CATEGORIE, TYPE, IDP, VILLE, PRIX) VALUES(9300, 'LOGEMENT BIDONVILLE', 'T1', 16, 'AIX-EN-PROVENCE', 12000);

Q3 :

Format CSV Table BIEN :

"IDEBIEN","CATEGORIE","TYPE","IDP","VILLE","PRIX"
945,"APPARTEMENT","STUDIO",1,"MARSEILLE",60000
1000,"APPARTEMENT","STUDIO",1,"MARSEILLE",70000
1100,"APPARTEMENT","STUDIO",22,"MARSEILLE",70000
2000,"VILLA","T4",3,"MARSEILLE",800000
2100,"VILLA","T4",22,"CEYRESTE",700000
2200,"VILLA","T4",105,"AIX-EN-PROVENCE",600000
3000,"APPARTEMENT","T3",8,"AIX-EN-PROVENCE",120000
3100,"APPARTEMENT","T3",22,"AVIGNON",130000
3200,"APPARTEMENT","T3",5,"SAINT-MAXIMIN",150000
5000,"CHALET","T2",22,"MARSEILLE",90000
5100,"CHALET","T2",12,"MARSEILLE",80000
5200,"CHALET","T2",28,"AIX-EN-PROVENCE",100000
6000,"HLM","T2",22,"AIX-EN-PROVENCE",50000
6100,"HLM","T2",16,"AIX-EN-PROVENCE",45000
6200,"HLM","T2",18,"MARSEILLE",40000
7000,"BUNGALOW","T2",13,"MARSEILLE",43000
7100,"BUNGALOW","T2",22,"OK CORRAL",36000
7200,"BUNGALOW","T2",9,"AIX-EN-PROVENCE",47000
8000,"MAISON DE VILLE","T3",7,"MARSEILLE",350000
8100,"MAISON DE VILLE","T3",22,"MARSEILLE",340000
8200,"MAISON DE VILLE","T3",17,"MARSEILLE",400000
8300,"MAISON DE VILLE","T3",19,"MARSEILLE",410000
8400,"MAISON DE VILLE","T3",23,"MARSEILLE",370000
8500,"MAISON DE VILLE","T3",24,"MARSEILLE",390000
8600,"MAISON DE VILLE","T3",25,"MARSEILLE",342000
8700,"MAISON DE VILLE","T3",26,"MARSEILLE",365000
8800,"MAISON DE VILLE","T3",27,"MARSEILLE",384000
8900,"MAISON DE VILLE","T3",28,"MARSEILLE",346000
9000,"LOGEMENT BIDONVILLE","T1",22,"AIX-EN-PROVENCE",20000
9100,"LOGEMENT BIDONVILLE","T1",31,"AIX-EN-PROVENCE",18000
9200,"LOGEMENT BIDONVILLE","T1",32,"AIX-EN-PROVENCE",15000

9300,"LOGEMENT BIDONVILLE","T1",33,"AIX-EN-PROVENCE",16000

Format CSV Table PROPRIO :

"IDP","NOM","PRENOM"
1,"GRIGUER","NATHAN"
2,"AMROUNE","AKIM"
3,"GUL","FURKAN"
4,"ZEGANNE","SOFIEN"
5,"ORLANDI","LENNY"
6,"DIAZ","GWENN"
7,"CELESTINE","SAMUEL"
8,"ANTOINE","THOMAS"
9,"BAURENS-TORRENTE","VALENTIN"
10,"BAGNIS","ENZO"
11,"SISE","ABOUBAKAR"
12,"RAPANAKIS-BOURG","MARIUS"
13,"RADJOU","DINESH"
14,"UYSUN","ALI"
15,"ALLARD","LOAN"
16,"RINALDI","ANTOINE"
17,"CLOT-GODARD","KENJI"
18,"NGOM","MAGUEYE"
19,"PIBOULEAU","JEAN-BAPTISTE"
20,"SENE","PABLO"
21,"ANNI","SAMUEL"
22,"MARTIN-NEVOT","MICKAEL"
23,"LAKHAL","LOTFI"
24,"JOUINI","RIM"
25,"MAKSSOUD","CRISTINE"
26,"GOUILLON","NICOLAS"
27,"YAHI","SAFA"
28,"FRANCON","DOMINIQUE"
29,"DELAMOTTE","PIERRICK"
30,"MORANCEY","MORGAN"
31,"AGOSTINELLI","LAURANCE"
32,"CASALI","ALAIN"
33,"SLEZAK","EILEEN"
34,"BETARI","ABDELKADER"
105,"LECHAT","LARRY"

Format CSV Table ESPACE :

```
"IDE","DESIGNATION","SUPERFICIE","IDERATTACH"
8315,"ESCALIER",4,8003
8400,"MAISON DE VILLE",136,
8401,"RDC",73,8400
8402,"1ER ETAGE",63,8400
8403,"COIN JOUR",50,8401
8404,"BUREAU",10,8401
8405,"ENTREE",10,8401
8406,"TOILETTES",3,8401
8407,"COULOIR",15,8402
8408,"ESCALIER",4,8402
8409,"CHAMBRE",12,8402
8410,"CHAMBRE",12,8402
8411,"TOILETTES",2,8402
8412,"SALLE DE BAIN",6,8402
8413,"SALON",34,8403
8414,"CUISINE",12,8403
8415,"ESCALIER",4,8403
8500,"MAISON DE VILLE",136,
8501,"RDC",73,8500
8502,"1ER ETAGE",63,8500
8503,"COIN JOUR",50,8501
8504,"BUREAU",10,8501
8505,"ENTREE",10,8501
8506,"TOILETTES",3,8501
8507,"COULOIR",15,8502
8508,"ESCALIER",4,8502
8509,"CHAMBRE",12,8502
8510,"CHAMBRE",12,8502
8511,"TOILETTES",2,8502
8512,"SALLE DE BAIN",6,8502
8513,"SALON",34,8503
8514,"CUISINE",12,8503
8515,"ESCALIER",4,8503
8600,"MAISON DE VILLE",136,
8601,"RDC",73,8600
8602,"1ER ETAGE",63,8600
8603,"COIN JOUR",50,8601
8604,"BUREAU",10,8601
8605,"ENTREE",10,8601
8606,"TOILETTES",3,8601
8607,"COULOIR",15,8602
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8608,"ESCALIER",4,8602
8609,"CHAMBRE",12,8602
8610,"CHAMBRE",12,8602
8611,"TOILETTES",2,8602
8612,"SALLE DE BAIN",6,8602
8613,"SALON",34,8603
8614,"CUISINE",12,8603
8615,"ESCALIER",4,8603
8700,"MAISON DE VILLE",136,
8701,"RDC",73,8700
8702,"1ER ETAGE",63,8700
8703,"COIN JOUR",50,8701
8704,"BUREAU",10,8701
8705,"ENTREE",10,8701
8707,"COULOIR",15,8702
8708,"ESCALIER",4,8702
8709,"CHAMBRE",12,8702
8710,"CHAMBRE",12,8702
8711,"TOILETTES",2,8702
8712,"SALLE DE BAIN",6,8702
8713,"SALON",34,8703
8714,"CUISINE",12,8703
8715,"ESCALIER",4,8703
8800,"MAISON DE VILLE",136,
8801,"RDC",73,8800
8802,"1ER ETAGE",63,8800
8803,"COIN JOUR",50,8801
8804,"BUREAU",10,8801
8805,"ENTREE",10,8801
8806,"TOILETTES",3,8801
8807,"COULOIR",15,8802
8808,"ESCALIER",4,8802
8809,"CHAMBRE",12,8802
8810,"CHAMBRE",12,8802
8811,"TOILETTES",2,8802
8812,"SALLE DE BAIN",6,8802
8813,"SALON",34,8803
8814,"CUISINE",12,8803
8815,"ESCALIER",4,8003
8900,"MAISON DE VILLE",136,
8901,"RDC",73,8900
8902,"1ER ETAGE",63,8900
8903,"COIN JOUR",50,8901
8904,"BUREAU",10,8901

8905,"ENTREE",10,8901
8906,"TOILETTES",3,8901
8907,"COULOIR",15,8902
8908,"ESCALIER",4,8902
8909,"CHAMBRE",12,8902
8910,"CHAMBRE",12,8902
8911,"TOILETTES",2,8902
8912,"SALLE DE BAIN",6,8902
8913,"SALON",34,8903
8914,"CUISINE",12,8903
8915,"ESCALIER",4,8903
9000,"LOGEMENT BIDONVILLE",30,
9001,"ENTREE",4,9000
9002,"COIN DE VIE",10,9000
9003,"SALLE DE BAIN",6,9000
9004,"CHAMBRE",10,9000
9100,"LOGEMENT BIDONVILLE",30,
9101,"ENTREE",4,9100
9102,"COIN DE VIE",10,9100
9103,"SALLE DE BAIN",6,9100
9104,"CHAMBRE",10,9100
9200,"LOGEMENT BIDONVILLE",30,
9201,"ENTREE",4,9200
9202,"COIN DE VIE",10,9200
9203,"SALLE DE BAIN",6,9200
9204,"CHAMBRE",10,9200
9300,"LOGEMENT BIDONVILLE",30,
9301,"ENTREE",4,9300
9302,"COIN DE VIE",10,9300
9303,"SALLE DE BAIN",6,9300
9304,"CHAMBRE",10,9300
945,"STUDIO",60,
946,"SALLE D'EAU",15,945
947,"PIECE A VIVRE",45,945
1000,"STUDIO",60,
1001,"SALLE D'EAU",15,1000
1002,"PIECE A VIVRE",45,1000
1100,"STUDIO",60,
1101,"SALLE D'EAU",15,1100
1102,"PIECE A VIVRE",45,1100
2000,"VILLA",320,
2001,"TERRASSE",200,2000
2002,"INTERIEUR",120,2000
2003,"PISCINE",35,2001

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2004,"COULOIR",20,2002
2005,"SALLE DE BAIN",8,2002
2006,"CHAMBRE",12,2002
2007,"CHAMBRE",12,2002
2008,"CHAMBRE",10,2002
2009,"SALON",45,2002
2010,"PLACARD",10,2004
2011,"SALLE DE BAIN",10,2004
2012,"CUISINE",12,2009
2013,"SEJOUR",25,2009
2014,"SALLE A MANGER",8,2009
2100,"VILLA",320,
2101,"TERRASSE",200,2100
2102,"INTERIEUR",120,2100
2103,"PISCINE",35,2101
2104,"COULOIR",20,2102
2105,"SALLE DE BAIN",8,2102
2106,"CHAMBRE",12,2102
2107,"CHAMBRE",12,2102
2108,"CHAMBRE",10,2102
2109,"SALON",45,2102
2110,"PLACARD",10,2104
2111,"SALLE DE BAIN",10,2104
2112,"CUISINE",12,2109
2113,"SEJOUR",25,2109
2114,"SALLE A MANGER",8,2109
2200,"VILLA",320,
2201,"TERRASSE",200,2200
2202,"INTERIEUR",120,2200
2203,"PISCINE",35,2201
2204,"COULOIR",20,2202
2205,"SALLE DE BAIN",8,2202
2206,"CHAMBRE",12,2202
2207,"CHAMBRE",12,2202
2208,"CHAMBRE",10,2202
2209,"SALON",45,2202
2210,"PLACARD",10,2204
2211,"SALLE DE BAIN",10,2204
2212,"CUISINE",12,2209
2213,"SEJOUR",25,2209
2214,"SALLE A MANGER",8,2209
3000,"APPARTEMENT",79,
3001,"INTERIEUR",66,3000
3002,"BALCON",13,3000
```

```
3003,"SALON",30,3001
3004,"CUISINE",10,3001
3005,"COULOIR",8,3001
3006,"CHAMBRE",7,3001
3007,"CHAMBRE",9,3001
3008,"TOILETTES",2,3001
3009,"SALLE A MANGER",5,3003
3010,"SEJOUR",25,3003
3100,"APPARTEMENT",79,
3101,"INTERIEUR",66,3100
3102,"BALCON",13,3100
3103,"SALON",30,3101
3104,"CUISINE",10,3101
3105,"COULOIR",8,3101
3106,"CHAMBRE",7,3101
3107,"CHAMBRE",9,3101
3108,"TOILETTES",2,3101
3109,"SALLE A MANGER",5,3103
3110,"SEJOUR",25,3103
3200,"APPARTEMENT",79,
3201,"INTERIEUR",66,3200
3202,"BALCON",13,3200
3203,"SALON",30,3201
3204,"CUISINE",10,3201
3205,"COULOIR",8,3201
3206,"CHAMBRE",7,3201
3207,"CHAMBRE",9,3201
3208,"TOILETTES",2,3201
3209,"SALLE A MANGER",5,3203
3210,"SEJOUR",25,3203
4000,"MANOIR",10270,
4001,"INTERIEUR",270,4000
4002,"EXTERIEUR",10000,4000
4003,"GARAGE",100,4002
4004,"JARDIN",9900,4002
4005,"1ER ETAGE",125,4001
4006,"RDC",145,4001
4007,"CHAMBRE PRINCIPALE",35,4005
4008,"CHAMBRE D'AMIS",20,4005
4009,"CHAMBRE D'AMIS",20,4005
4010,"SALLE DE BAIN PRINCIPALE",25,4005
4011,"SALLE FAMILIALE",30,4005
4012,"CHAMBRE ENFANT",15,4005
4013,"HALL D'ENTREE",20,4006
```

```
4014,"SALON",40,4006
4015,"SALLE A MANGER",30,4006
4016,"CUISINE",25,4006
4017,"BUREAU",20,4006
4018,"CHAMBRE D'AMIS",20,4006
4019,"SALLE DE BAIN INVITES",10,4006
4100,"MANOIR",10270,
4101,"INTERIEUR",270,4100
4102,"EXTERIEUR",10000,4100
4103,"GARAGE",100,4102
4104,"JARDIN",9900,4102
4105,"1ER ETAGE",125,4101
4106,"RDC",145,4101
4107,"CHAMBRE PRINCIPALE",35,4105
4108,"CHAMBRE D'AMIS",20,4105
4109,"CHAMBRE D'AMIS",20,4105
4110,"SALLE DE BAIN PRINCIPALE",25,4105
4111,"SALLE FAMILIALE",30,4105
4112,"CHAMBRE ENFANT",15,4105
4113,"HALL D'ENTREE",20,4106
4114,"SALON",40,4106
4115,"SALLE A MANGER",30,4106
4116,"CUISINE",25,4106
4117,"BUREAU",20,4106
4118,"CHAMBRE D'AMIS",20,4106
4119,"SALLE DE BAIN INVITES",10,4106
5000,"CHALET",166,
5001,"INTERIEUR",57,5000
5002,"EXTERIEUR",109,5000
5003,"SALON",30,5001
5004,"CHAMBRE",10,5001
5005,"CUISINE",8,5001
5006,"SALLE DE BAIN",5,5001
5007,"TOILETTES",2,5001
5008,"PLACARD",2,5001
5009,"BALCON",9,5002
5010,"JARDIN",100,5002
5011,"SEJOUR",20,5003
5012,"SALLE A MANGER",10,500
```

Partie 2 : INTERROGATION ET MISE A JOUR DE LA BD IMMO

--Q1

```
SELECT COUNT(IDEBIEN), CATEGORIE, TYPE FROM BIEN
GROUP BY CATEGORIE, TYPE;
```

--Q2

```
SELECT IDE, DESIGNATION FROM ESPACE
CONNECT BY PRIOR IDE = IDERATTACH
START WITH IDE = 945;
```

--Q3

```
SELECT IDP FROM PROPRIO
MINUS
SELECT IDP FROM BIEN
WHERE VILLE = 'MARSEILLE';
```

--Q4

```
SELECT VILLE FROM BIEN
WHERE CATEGORIE = 'MAISON DE VILLE'
GROUP BY VILLE
HAVING COUNT(*) >= 10;
```

--Q5

```
SELECT BIEN.IDEBIEN, (BIEN.PRIX - B_MIN.PRIX) FROM BIEN, BIEN B_MIN
WHERE B_MIN.PRIX =(SELECT MIN(BIEN.PRIX) FROM BIEN);
```

--Q6

```
SELECT IdEBien, (PRIX - (SELECT MIN(PRIX)
FROM BIEN B
WHERE B.Categorie = BIEN.Categorie)) AS Ecart
FROM BIEN;
```

--Q7

```
CREATE OR REPLACE VIEW Q7(IDP, NBR_BIEN) AS
SELECT IdP, COUNT(IdEBien)
FROM BIEN
WHERE BIEN.Type = 'STUDIO'
GROUP BY IDP
HAVING COUNT(IDEBIEN) >= 2;

SELECT Q7.IDP, COUNT(BIEN.IDEBIEN) FROM Q7, BIEN
WHERE Q7.IDP = BIEN.IDP
GROUP BY Q7.IDP;

--Q8

SELECT BIEN.IDP, NOM, PRENOM FROM BIEN
JOIN PROPRIO
ON BIEN.IDP = PROPRIO.IDP
GROUP BY BIEN.IDP, PROPRIO.NOM, PROPRIO.PRENOM
HAVING COUNT(DISTINCT BIEN.CATEGORIE) = (SELECT COUNT(DISTINCT CATEGORIE)
FROM BIEN);

--Q9

SELECT IDEBIEN FROM BIEN, ESPACE
WHERE BIEN.IDEBIEN = ESPACE.IDE AND IDE IN (SELECT IDERATTACH FROM ESPACE
                                WHERE DESIGNATION = 'TERRASSE' AND SUPERFICIE =
(SELECT MAX(SUPERFICIE) FROM ESPACE
                                                        WHERE DESIGNATION =
'TERRASSE'));
--Q10

SELECT DISTINCT BIEN.IDP
FROM BIEN
WHERE BIEN.CATEGORIE IN (
        SELECT DISTINCT B1.CATEGORIE
        FROM BIEN B1
        WHERE B1.IDP = 105
) AND BIEN.IDP != 105;

--Q11

CREATE OR REPLACE VIEW Q12(CATEGORIE, MIN_CAT) AS
SELECT BIEN.CATEGORIE, (SELECT MIN(BIEN.PRIX) FROM BIEN, BIEN B_MIN WHERE
BIEN.CATEGORIE = B_MIN.CATEGORIE)
```

```
FROM BIEN, BIEN B_MIN
GROUP BY BIEN.CATEGORIE;

SELECT BIEN.IDEBIEN, (BIEN.PRIX - Q12.MIN_CAT) AS ECART
FROM BIEN, Q12
WHERE BIEN.CATEGORIE = Q12.CATEGORIE;
```

Résultats des requêtes Q1, Q5, Q7 en format CSV :

Q1 :

```
"COUNT(IDEBIEN)","CATEGORIE","TYPE"
3,"APPARTEMENT","STUDIO"
3,"VILLA","T4"
3,"APPARTEMENT","T3"
2,"MANOIR","T9"
3,"CHALET","T2"
3,"HLM","T2"
3,"BUNGALOW","T2"
10,"MAISON DE VILLE","T3"
4,"LOGEMENT BIDONVILLE","T1"
```

Q5 :

```
"IDEBIEN","(BIEN.PRIX-B_MIN.PRIX)"
945,48000
1000,58000
1100,58000
2000,788000
2100,688000
2200,588000
3000,108000
3100,88000
3200,138000
4000,788000
4100,888000
5000,78000
5100,68000
5200,88000
6000,38000
6100,33000
```

6200,28000
7000,31000
7100,24000
7200,35000
8000,338000
8100,328000
8200,388000
8300,398000
8400,358000
8500,378000
8600,330000
8700,353000
8800,372000
8900,334000
9000,6000
9100,3000
9200,4000
9300,0

Q7 :
"IDP","COUNT(BIEN.IDEBIEN)"
1,2

Répartition du travail :

- Amroune Akim : 25%
- Griguer Nathan : 25%
- Gul Furkan : 25%
- Zeggane Sofien : 25%

Nathan et Furkan se sont occupés de la 1er partie de la SAE çàd la conception et la réalisation de la base de données. Akim et Sofien se sont de la 2e partie de la SAE en rédigeant toutes les requêtes SQL demandés