

Compte rendu - Tanguy - Agence immobilière

Création de la base de données pour l'agence immobilière via mysql :

```
CREATE DATABASE agence_interim CHARACTER SET 'utf8';  
USE agence_interim;
```

```
CREATE TABLE Commune( id_commune INT NOT NULL PRIMARY KEY  
AUTO_INCREMENT, nb_habitant INT, distance_agence SMALLINT, nom_commune  
VARCHAR(50) NOT NULL, cp CHAR(5))  
ENGINE = InnoDB;
```

```
CREATE TABLE Loyer ( id_loyer INT NOT NULL PRIMARY KEY AUTO_INCREMENT,  
type_logement VARCHAR(3) , mt_loyer SMALLINT, frais SMALLINT)  
ENGINE = InnoDB;
```

```
CREATE TABLE Individu ( id_individu INT NOT NULL PRIMARY KEY AUTO_INCREMENT,  
nom VARCHAR (55) NOT NULL ,prenom VARCHAR (55) NOT NULL, date_naissance  
DATE, num_tel1 CHAR(10), num_tel2 CHAR(10))  
ENGINE = InnoDB;
```

```
CREATE TABLE Location( id_location INT NOT NULL PRIMARY KEY AUTO_INCREMENT,  
id_logement INT NOT NULL, id_individu INT NOT NULL, date_debut DATE, date_fin DATE,  
CONSTRAINT fk_locationlogement_id FOREIGN KEY (id_logement) REFERENCES  
Logement(id_logement), CONSTRAINT fk_locationindividu_id FOREIGN KEY (id_individu)  
REFERENCES Individu(id_individu))  
ENGINE = InnoDB;
```

```
CREATE TABLE Logement( id_logement INT NOT NULL PRIMARY KEY  
AUTO_INCREMENT, id_loyer INT NOT NULL, superficie SMALLINT, adresse  
VARCHAR(255), id_commune INT NOT NULL, CONSTRAINT fk_logementloyer_id  
FOREIGN KEY (id_loyer) REFERENCES Loyer(id_loyer), CONSTRAINT  
fk_logementcommune_id FOREIGN KEY (id_commune) REFERENCES  
Commune(id_commune))  
ENGINE = InnoDB;
```

Insertion de données :

```
INSERT INTO Loyer (type_logement, mt_loyer, frais) VALUES ('Stu', 500, 40), ('F1', 580,  
80), ('T1', 620, 38), ('Stu', 390, 25), ('T2', 880, 96);
```

```
INSERT INTO Individu (nom, prenom, date_naissance, num_tel1, num_tel2) VALUES  
( 'Dupont', 'Bernard', 19630325, '0120536895', NULL), ('Martin', 'Albert', 20011025,  
'0698753214', '0312458637'), ('Schmidt', 'Olivia', 19920705, '0728465931', NULL), ('Muller',  
'Jean', 19880418, '0328495172', NULL), ('Dubois', 'Irene', 19521224, '0368741529', NULL);
```

```
INSERT INTO Commune (nb_habitant, distance_agence, nom_commune,cp) VALUES
(10000, 10, 'ville1',59111), (22222, 22, 'ville2',59222), (333,333,'ville3',59003),
(4410222,124,'ville4',59444), (55, 5, 'ville5', 59557);
```

id_commune	nb_habitant	distance_agence	nom_commune	cp
1	10000	10	ville1	59111
2	22222	22	ville2	59222
3	333	333	ville3	59003
4	4410222	124	ville4	59444
5	55	5	ville5	59557

Modification d'un tuple :

```
UPDATE Commune SET nb_habitant = 12000 WHERE cp=59111;
```

id_commune	nb_habitant	distance_agence	nom_commune	cp
1	12000	10	ville1	59111
2	22222	22	ville2	59222
3	333	333	ville3	59003
4	4410222	124	ville4	59444
5	55	5	ville5	59557

Suppression d'un tuple :

```
DELETE FROM Commune WHERE id_commune = 1;
```

id_commune	nb_habitant	distance_agence	nom_commune	cp
2	22222	22	ville2	59222
3	333	333	ville3	59003
4	4410222	124	ville4	59444
5	55	5	ville5	59557