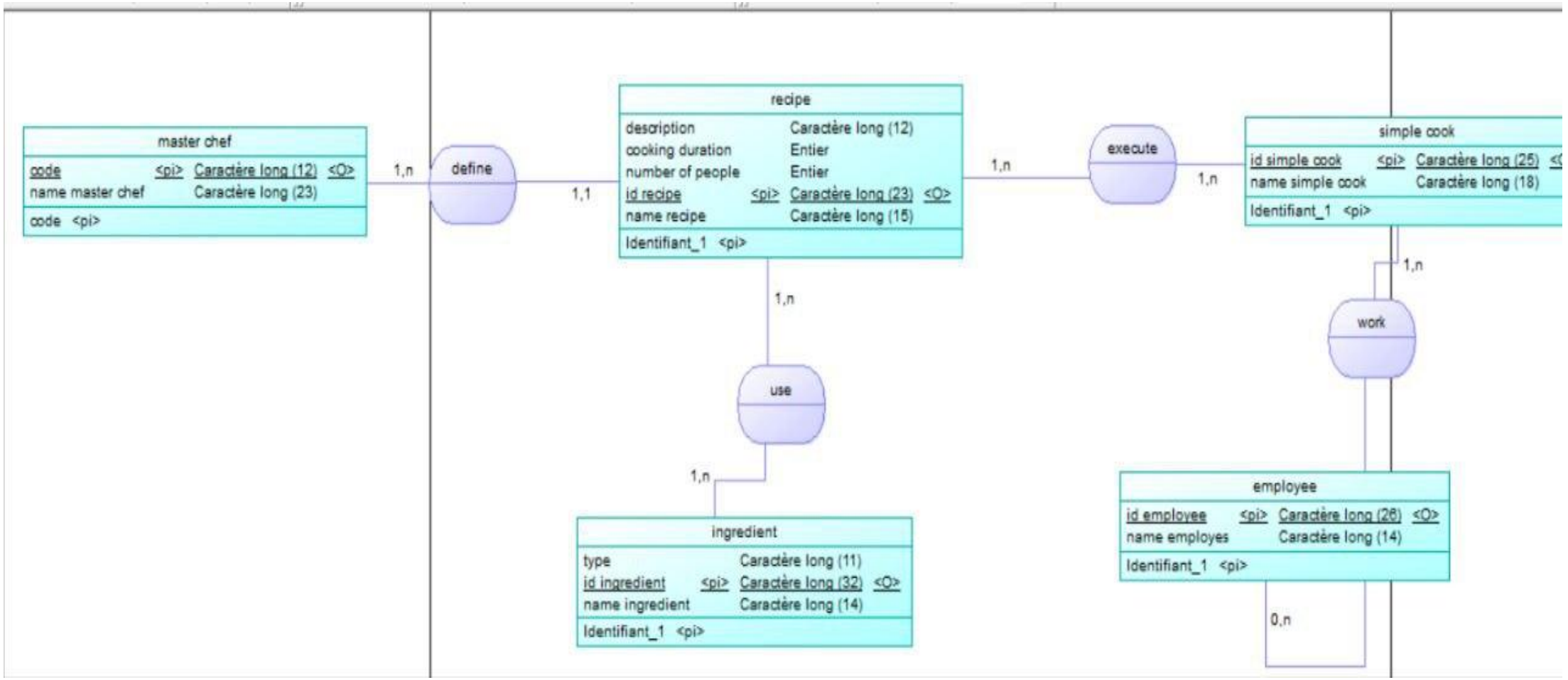
MINI PROJET : CREATION DE LA BASE DE DONNEE RESTAURANT

PRÉSENTATION DU MCD LA BASE DE DONNÉE RESTAURANT



PRÉSENTATION DU SCHÉMA LA BASE DE DONNÉE RESTAURANT

- create table EMPLOYEE(ID_EMPLOYEE char(50) not null, NAME_EMPLOYEE char(50), primary key (ID_EMPLOYEE));
- create table EXECUTE(ID_RECIPE char(50) not null, ID_SIMPLE_COOK char(50) not null, primary key (ID_RECIPE, ID_SIMPLE_COOK));
- create table INGREDIENT(TYPE char(50), ID_INGREDIENT char(50) not null, NAME_INGREDIENT char(50), primary key (ID_INGREDIENT));
- create table MASTER_CHEF(CODE char(50) not null, NOMMASTERCHEF char(50), primary key (CODE));
- create table RECIPE(DESCRIPTION char(50), COOKING_DURATION char(50), NUMBER_OF_PEOPLE int, ID_RECIPE char(50) not null, CODE char(50) not null, NAME_RECIPE char(50), primary key (ID_RECIPE));
- create table SIMPLE_COOK(ID_SIMPLE_COOK char(50) not null, NAME_SIMPLE_COOK char(50), primary key (ID_SIMPLE_COOK));
- create table USED(ID_RECIPE char(20) not null, ID_INGREDIENT char(20) not null, primary key (ID_RECIPE, ID_INGREDIENT));
- create table WORK(ID_SIMPLE_COOK char(22) not null, ID_EMPLOYEE char(20) not null, primary key (ID_SIMPLE_COOK, ID_EMPLOYEE));

PRÉSENTATION DES INSERTIONS LA BASE DE DONNÉE RESTAURANT

- **INSERT INTO employee (id_employee, name_employee) VALUES**

("1", 'Alice Johnson'),

("2", 'Bob Smith'),

("3", 'Charlie Brown'),

("4", 'Daisy Miller'),

("5", 'Ethan Williams'),

("6", 'Fiona Davis'),

("7", 'George Martin'),

("8", 'Hannah Clark'),

("9", 'Ian Thompson'),

("10", 'Jenna Roberts');

- **INSERT INTO execute (ID_RECIPE, ID_SIMPLE_COOK) VALUES**

("1", "1"),

("2", "2"),

("3", "3"),

("4", "4"),

("5", "2"),

("6"," 4"),

("7", "5"),

("8", "3"),

("9", "2"),

("10"," 5");

- **INSERT INTO ingredient (ID_INGREDIENT, NAME_INGREDIENT) VALUES**

("1", 'Tomato'),

("2", 'Onion'),

("3", 'Garlic'),

("4", 'Chicken'),

("5", 'Rice'),

("6", 'Cheese'),

("7", 'Lettuce'),

("8", 'Pepper'),

("9", 'Olive Oil'),

("10", 'Basil');

- **INSERT INTO master_chef (CODE , NOMMASTERCHEF) VALUES**

("22P13",'Gordon Ramsay'),

("12P45",'Alain Ducasse'),

("14p44",'Wolfgang Puck'),

("16P56",'Emeril Lagasse'),

("17p03",'Jamie Oliver'),

("33p13",'Rachel Ray'),

("12p02",'Thomas Keller'),

("21p09",'Ina Garten'),

("34p78",'Heston Blumenthal'),

("33p12",'Nadia Liberato');

- **INSERT INTO recipe (ID_RECIPE, DESCRIPTION, COOKING_DURATION, NUMBER_OF_PEOPLE, CODE, NAME_RECIPE) VALUES**

("1", 'Spicy Tomato Soup', '20 mins', 4, 'REC001', 'Tomato Soup'),

("2", 'Grilled Chicken Salad', '30 mins', 2, 'REC002', 'Grilled Salad'),

("3", 'Garlic Bread', '15 mins', 6, 'REC003', 'Garlic Bread'),

("4", 'Chicken Curry', '45 mins', 4, 'REC004', 'Spicy Chicken Curry'),

("5", 'Vegetable Stir Fry', '25 mins', 2, 'REC005', 'Stir Fry Veggies'),

("6", 'Pasta Primavera', '30 mins', 4, 'REC006', 'Pasta with Veggies'),

("7", 'Cheese Omelette', '10 mins', 1, 'REC007', 'Cheese Omelette'),

("8", 'Stuffed Peppers', '40 mins', 4, 'REC008', 'Stuffed Bell Peppers'),

("9", 'Margarita Pizza', '50 mins', 3, 'REC009', 'Margarita Pizza'),

("10", 'Chocolate Cake', '60 mins', 8, 'REC010', 'Chocolate Delight');

- **INSERT INTO simple_cook (ID_SIMPLE_COOK, NAME_SIMPLE_COOK) VALUES**

("1", 'junior'),

("2", 'francky'),

("3", 'mbanga'),

("4", 'ismene'),

("5", 'picolo'),

("6", 'wally'),

("7", 'buu'),

("8", 'uzui tenge'),

("9", 'rengoku'),

("10", 'tanjiro kamado');

- **INSERT INTO used (ID_RECIPE, ID_INGREDIENT) VALUES**

("1", "1"),

("1","3"),

("2", "4"),

("3", "1"),

("3", "6"),

("4"," 4"),

("5", "1"),

("6", "2"),

("7", "6"),

("8", "8");

- **INSERT INTO work (ID_SIMPLE_COOK, ID_EMPLOYEE) VALUES**

("1", "1"),

("2"," 2"),

("3", "3"),

("4", "4"),

("5"," 1"),

("1", "3"),

("2", "4"),

("5", "2"),

("3", "5"),

("4", "5");

PRÉSENTATION DE QUELQUES REQUETÉS SQL

- **Donner tous les articles de la base ainsi que leurs champs :**

```
use restaurant;
select *
from employee, execute , ingredient , master_chef,recipe,simple_cook,used,work;
```

- **Donner les informations disponibles sur les employés :**

```
select *
from employee;
```

- **Donner le nombre d'employé :**

```
select count(*)
from employee;
```

- **Donner toute les informations disponibles sur l'employé ayant pour nom bob smith :**

```
select *
from employee
where name_employee = "bob smith";
```

- **Donner toute les informations disponibles sur la recette ‘‘tomato soup’’:**

```
select *
from recipe
where name_recipe = "tomato soup";
```

- **Donner le nom de tous les chefs cuisiniers ayant participés a la conception de la recette ‘’ soup tomato’’:**

```
select nommasterchef
from master_chef , recipe
Where master_chef.code = recipe.code and  name_recipe = "tomato soup" ;
```

- **Donner le nombre de chef ayant participé a la conception de la recette ‘’ soup tomato’’ :**

```
select count(nommasterchef)
from master_chef , recipe
where master_chef.code = recipe.code and  name_recipe = "tomato soup" ;
```

- **Faire la mise à jour sur le nom d’un emplyé :**

```
update employee
set  name_employee = "fiona davice“
where id_employee = "6";
```

- **Donner le nom des ingredients utilisés pour la recette ‘’grilled salad’’ , ‘’ stir fry veggies’’, ‘’ stuffed bell peppers’’ et ‘’margarita pizza ‘’:**

```
select name_ingredient , name_recipe
from ingredient as l, used as t, recipe as p
where l.id_ingredient = t.id_ingredient and t.id_ingredient = t.id_recipe and t.id_recipe = p.id_recipe ;
```