Restaurant DataBase project

# Project

Restaurant management system for an international brand like MC ®️

# Thanks

We love to thank all amazing people who taught us with love and worked hard until we was capable to do this project,

People who give knowledge give live

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Business Rule

* Every branch of the franchise has Branch ID and location
* The location of every branch consists of ZIP code, city and address
* Managers are the higher ups of the international organization, they have salary, Manager name and Manager ID
* Managers are lead the charge form outside of the globe, so they operate the branches
* Every manager may operate one branch and every branch must be operate by a manager
* There must be a manager who supervise the other managers to check on the performance
* Every manager must be supervised by other managers and manager may supervise many managers
* There is a lot of employees that work in the branches
* One or more employees must work on the branch and every employee must work in one branch
* Employee has Hiring date, name, birth date, salary, gender, phone number
* Phone number contain number and the country code
* We use birth date and hiring date to get years employed which we assign to every employee
* Employees are divided to waiter, cashier, chief and delivery guy but not every employee are one of these types
* Every employee may have one or many dependent

Business Rule

* Every dependent has phone number, age and name which consist of first name and last name and name is partially unique
* Every chief must cook one or many meals and every meal can be cooked by one or many chiefs
* Customers has name and ID and completely divide to in restaurant customer and takeout and delivery
* Every delivery customer has location
* Every delivery guy must deliver order to one or many delivery customers and every customer must have one or more delivery orders
* Tables has table number and location and capacity
* Waiter host in\_restaurant customers into tables
* Every takeout customer has a queue number
* Every customer must order one or more orders form the cashier
* The order has bill meals\_ordered that can handle muti meals and order number
* Every cashier may have one or more orders from customers
* Hositing has hosting id and time hosted
* One or more in\_restaurant customers may seated into the hosting process
* Table may host one or more in\_restaurant customers
* Waiter must manage the hosting process to one or more tables and customers

ERD

Diagram

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ERR

Diagram

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Relational

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Code

Employee

CREATE TABLE Employee

(

Emp\_ID NUMBER(10) NOT NULL,

Salary NUMBER(10) NOT NULL,

Hiring\_Date date NOT NULL,

Emp\_Name varchar2(30) NOT NULL,

Birth\_Date date NOT NULL,

Gender varchar2(10) NOT NULL,

Branch\_ID NUMBER(10) NOT NULL,

Employee\_Type varchar(2) NOT NULL,

PRIMARY KEY (Emp\_ID),

FOREIGN KEY (Branch\_ID) REFERENCES Branch(Branch\_ID)

);

|  |
| --- |
| Insert into Employee values(305001,3675,TO\_DATE('01/05/1990',' mm/dd/yyyy'),'Cassie Pitkins',TO\_DATE('01/27/2021',' mm/dd/yyyy'),'Female',709,'CK'); |
| Insert into Employee values(305002,3734,TO\_DATE('06/15/1977',' mm/dd/yyyy'),'Mandi List',TO\_DATE('11/26/2021',' mm/dd/yyyy'),'Female',704,'CK'); |
| Insert into Employee values(305003,4035,TO\_DATE('04/18/1977',' mm/dd/yyyy'),'Franky Bladder',TO\_DATE('07/08/2021',' mm/dd/yyyy'),'Male',709,'CK'); |
| Insert into Employee values(305004,5457,TO\_DATE('03/23/1994',' mm/dd/yyyy'),'Goldia Arnoldi',TO\_DATE('02/29/2020',' mm/dd/yyyy'),'Female',705,'CK'); |
| Insert into Employee values(305005,8742,TO\_DATE('06/01/1974',' mm/dd/yyyy'),'Tomlin Jinkin',TO\_DATE('08/04/2021',' mm/dd/yyyy'),'Female',703,'CK'); |
| Insert into Employee values(305006,11821,TO\_DATE('05/22/1997',' mm/dd/yyyy'),'Lorna Cramb',TO\_DATE('05/04/2020',' mm/dd/yyyy'),'Female',704,'CK'); |
| Insert into Employee values(305007,3243,TO\_DATE('12/29/1997',' mm/dd/yyyy'),'Natalina Tanzer',TO\_DATE('03/08/2020',' mm/dd/yyyy'),'Female',705,'CK'); |
| Insert into Employee values(305008,3170,TO\_DATE('07/03/1987',' mm/dd/yyyy'),'Otis Lyburn',TO\_DATE('08/26/2021',' mm/dd/yyyy'),'Male',707,'CK'); |
| Insert into Employee values(305009,9784,TO\_DATE('03/19/1993',' mm/dd/yyyy'),'Durante Jillins',TO\_DATE('02/07/2021 ',' mm/dd/yyyy'),'Male',709,'CK'); |
| Insert into Employee values(305010,5736,TO\_DATE('04/16/1980',' mm/dd/yyyy'),'Nye MacVean',TO\_DATE('02/17/2020',' mm/dd/yyyy'),'Male',701,'CK'); |
| Insert into Employee values(305011,11303,TO\_DATE('09/29/1983',' mm/dd/yyyy'),'Dunstan Bartlomiejczyk',TO\_DATE('01/12/2020',' mm/dd/yyyy'),'Male',702,'WT'); |
| Insert into Employee values(305012,6673,TO\_DATE('06/01/1976',' mm/dd/yyyy'),'Starlene Stanislaw',TO\_DATE('11/06/2020',' mm/dd/yyyy'),'Female',707,'WT'); |
| Insert into Employee values(305013,3725,TO\_DATE('04/23/1991',' mm/dd/yyyy'),'Bette Cominello',TO\_DATE('07/30/2020',' mm/dd/yyyy'),'Male',708,'WT'); |
| Insert into Employee values(305014,9827,TO\_DATE('05/18/1994',' mm/dd/yyyy'),'Mal Egar',TO\_DATE('06/09/2021',' mm/dd/yyyy'),'Male',706,'WT'); |
| Insert into Employee values(305015,8673,TO\_DATE('11/29/1980',' mm/dd/yyyy'),'Andonis Doireidh',TO\_DATE('06/06/2021',' mm/dd/yyyy'),'Male',704,'WT'); |
| Insert into Employee values(305016,4031,TO\_DATE('01/30/1987',' mm/dd/yyyy'),'Phillipe Ainley',TO\_DATE('12/21/2020',' mm/dd/yyyy'),'Female',705,'WT'); |
| Insert into Employee values(305017,4821,TO\_DATE('04/25/1983',' mm/dd/yyyy'),'Giralda Michelle',TO\_DATE('04/17/2020',' mm/dd/yyyy'),'Male',708,'WT'); |
| Insert into Employee values(305018,4207,TO\_DATE('07/02/1983',' mm/dd/yyyy'),'Trude Tabord',TO\_DATE('03/28/2021',' mm/dd/yyyy'),'Female',710,'WT'); |
| Insert into Employee values(305019,9375,TO\_DATE('02/16/1980',' mm/dd/yyyy'),'Aindrea Clery',TO\_DATE('01/16/2020',' mm/dd/yyyy'),'Female',708,'WT'); |
| Insert into Employee values(305020,7732,TO\_DATE('06/02/1991',' mm/dd/yyyy'),'Ellis Sadlier',TO\_DATE('10/28/2021',' mm/dd/yyyy'),'Female',710,'WT'); |
| Insert into Employee values(305021,9563,TO\_DATE('08/22/2000',' mm/dd/yyyy'),'Minerva Cromly',TO\_DATE('02/26/2021',' mm/dd/yyyy'),'Male',703,'DP'); |
| Insert into Employee values(305022,3699,TO\_DATE('05/09/1986',' mm/dd/yyyy'),'Nikolia Eynald',TO\_DATE('03/12/2021',' mm/dd/yyyy'),'Male',703,'DP'); |
| Insert into Employee values(305023,9501,TO\_DATE('11/24/1986',' mm/dd/yyyy'),'Agretha Gascoigne',TO\_DATE('06/28/2021',' mm/dd/yyyy'),'Male',710,'DP'); |
| Insert into Employee values(305024,7844,TO\_DATE('04/20/1998',' mm/dd/yyyy'),'Agathe Longhurst',TO\_DATE('03/24/2021',' mm/dd/yyyy'),'Female',708,'DP'); |
| Insert into Employee values(305025,10632,TO\_DATE('11/29/1979',' mm/dd/yyyy'),'Josefina Calleran',TO\_DATE('04/07/2020',' mm/dd/yyyy'),'Female',705,'DP'); |
| Insert into Employee values(305026,5128,TO\_DATE('10/20/1976',' mm/dd/yyyy'),'Gardiner Firmin',TO\_DATE('09/21/2020',' mm/dd/yyyy'),'Female',704,'DP'); |
| Insert into Employee values(305027,4418,TO\_DATE('07/28/1978',' mm/dd/yyyy'),'Ronald Preist',TO\_DATE('03/13/2021',' mm/dd/yyyy'),'Male',707,'DP'); |
| Insert into Employee values(305028,6256,TO\_DATE('08/23/1974',' mm/dd/yyyy'),'Renard Stonman',TO\_DATE('02/22/2020',' mm/dd/yyyy'),'Female',709,'DP'); |
| Insert into Employee values(305029,10455,TO\_DATE('06/25/1999',' mm/dd/yyyy'),'Berty Yitzhak',TO\_DATE('04/27/2020',' mm/dd/yyyy'),'Male',706,'DP'); |
| Insert into Employee values(305030,7202,TO\_DATE('07/19/1981',' mm/dd/yyyy'),'Linda Strongitharm',TO\_DATE('03/15/2021',' mm/dd/yyyy'),'Female',708,'DP'); |
| Insert into Employee values(305031,6055,TO\_DATE('01/29/1999',' mm/dd/yyyy'),'Clary McLaren',TO\_DATE('07/06/2021',' mm/dd/yyyy'),'Female',703,'CH'); |
| Insert into Employee values(305032,7259,TO\_DATE('09/29/1981',' mm/dd/yyyy'),'Bliss Cleugher',TO\_DATE('03/03/2021',' mm/dd/yyyy'),'Female',703,'CH'); |
| Insert into Employee values(305033,4606,TO\_DATE('07/16/1978',' mm/dd/yyyy'),'Dacia Yare',TO\_DATE('12/24/2020',' mm/dd/yyyy'),'Male',708,'CH'); |
| Insert into Employee values(305034,9306,TO\_DATE('06/25/1981',' mm/dd/yyyy'),'Koren Ellice',TO\_DATE('06/16/2021',' mm/dd/yyyy'),'Male',703,'CH'); |
| Insert into Employee values(305035,3603,TO\_DATE('08/17/1993',' mm/dd/yyyy'),'Francyne Bursell',TO\_DATE('07/24/2020',' mm/dd/yyyy'),'Male',709,'CH'); |
| Insert into Employee values(305036,7241,TO\_DATE('04/01/1982',' mm/dd/yyyy'),'Noelani Stathor',TO\_DATE('04/28/2021',' mm/dd/yyyy'),'Female',701,'CH'); |
| Insert into Employee values(305037,3992,TO\_DATE('07/27/1971',' mm/dd/yyyy'),'Gill Ramsay',TO\_DATE('04/13/2021',' mm/dd/yyyy'),'Male',703,'CH'); |
| Insert into Employee values(305038,8418,TO\_DATE('06/12/1990',' mm/dd/yyyy'),'Nathanial Sponder',TO\_DATE('12/07/2020',' mm/dd/yyyy'),'Female',704,'CH'); |
| Insert into Employee values(305039,4229,TO\_DATE('02/10/1992',' mm/dd/yyyy'),'Rubie Hatt',TO\_DATE('08/30/2021',' mm/dd/yyyy'),'Male',705,'CH'); |
| Insert into Employee values(305040,4830,TO\_DATE('09/12/1988',' mm/dd/yyyy'),'Boy Montrose',TO\_DATE('10/28/2020',' mm/dd/yyyy'),'Male',705,'CH'); |
| Insert into Employee values(305041,7648,TO\_DATE('11/09/1984',' mm/dd/yyyy'),'Tull Allom',TO\_DATE('11/10/2020',' mm/dd/yyyy'),'Male',701,'OT'); |
| Insert into Employee values(305042,4399,TO\_DATE('09/20/1997',' mm/dd/yyyy'),'Lombard Lacheze',TO\_DATE('08/08/2021',' mm/dd/yyyy'),'Male',705,'OT'); |
| Insert into Employee values(305043,11677,TO\_DATE('07/03/1995',' mm/dd/yyyy'),'Henri Godber',TO\_DATE('09/04/2020',' mm/dd/yyyy'),'Female',709,'OT'); |
| Insert into Employee values(305044,5628,TO\_DATE('08/12/1977',' mm/dd/yyyy'),'Tory Walsham',TO\_DATE('06/03/2020',' mm/dd/yyyy'),'Male',708,'OT'); |
| Insert into Employee values(305045,8442,TO\_DATE('03/25/2000',' mm/dd/yyyy'),'Maurie Ebden',TO\_DATE('08/29/2021',' mm/dd/yyyy'),'Female',702,'OT'); |
| Insert into Employee values(305046,11028,TO\_DATE('02/28/1977',' mm/dd/yyyy'),'Alexis Bayman',TO\_DATE('10/08/2020',' mm/dd/yyyy'),'Female',704,'OT'); |
| Insert into Employee values(305047,4449,TO\_DATE('11/15/1980',' mm/dd/yyyy'),'Ernie Euler',TO\_DATE('07/24/2020',' mm/dd/yyyy'),'Male',702,'OT'); |
| Insert into Employee values(305048,3833,TO\_DATE('09/02/1972',' mm/dd/yyyy'),'Victor Rothschild',TO\_DATE('01/14/2021',' mm/dd/yyyy'),'Female',702,'OT'); |
| Insert into Employee values(305049,6593,TO\_DATE('11/28/2001',' mm/dd/yyyy'),'Daria Chaudret',TO\_DATE('03/21/2020',' mm/dd/yyyy'),'Male',710,'OT'); |
| Insert into Employee values(305050,4159,TO\_DATE('11/09/1980',' mm/dd/yyyy'),'Leonore Thompson',TO\_DATE('09/19/2020',' mm/dd/yyyy'),'Female',708,'OT'); |

CREATE TABLE Chief

(

Emp\_ID NUMBER(10) NOT NULL,

PRIMARY KEY (Emp\_ID),

FOREIGN KEY (Emp\_ID) REFERENCES Employee(Emp\_ID)

);

|  |
| --- |
| Insert into chief values(305001); |
| Insert into chief values(305002); |
| Insert into chief values(305003); |
| Insert into chief values(305004); |
| Insert into chief values(305005); |
| Insert into chief values(305006); |
| Insert into chief values(305007); |
| Insert into chief values(305008); |
| Insert into chief values(305009); |
| Insert into chief values(305010); |
|  |

CREATE TABLE Cashier

(

Emp\_ID NUMBER(10) NOT NULL,

PRIMARY KEY (Emp\_ID),

FOREIGN KEY (Emp\_ID) REFERENCES Employee(Emp\_ID)

);

|  |
| --- |
| Insert into cashier values(305031); |
| Insert into cashier values(305032); |
| Insert into cashier values(305033); |
| Insert into cashier values(305034); |
| Insert into cashier values(305035); |
| Insert into cashier values(305036); |
| Insert into cashier values(305037); |
| Insert into cashier values(305038); |
| Insert into cashier values(305039); |
| Insert into cashier values(305040); |

CREATE TABLE Delivery\_Person

(

Emp\_ID NUMBER(10) NOT NULL,

PRIMARY KEY (Emp\_ID),

FOREIGN KEY (Emp\_ID) REFERENCES Employee(Emp\_ID)

);

|  |
| --- |
| Insert into Delivery\_Person values(305021); |
| Insert into Delivery\_Person values(305022); |
| Insert into Delivery\_Person values(305023); |
| Insert into Delivery\_Person values(305024); |
| Insert into Delivery\_Person values(305025); |
| Insert into Delivery\_Person values(305026); |
| Insert into Delivery\_Person values(305027); |
| Insert into Delivery\_Person values(305028); |
| Insert into Delivery\_Person values(305029); |
| Insert into Delivery\_Person values(305030); |

CREATE TABLE Waiter

(

Emp\_ID NUMBER(10) NOT NULL,

PRIMARY KEY (Emp\_ID),

FOREIGN KEY (Emp\_ID) REFERENCES Employee(Emp\_ID)

);

|  |
| --- |
| Insert into waiter values(305011); |
| Insert into waiter values(305012); |
| Insert into waiter values(305013); |
| Insert into waiter values(305014); |
| Insert into waiter values(305015); |
| Insert into waiter values(305016); |
| Insert into waiter values(305017); |
| Insert into waiter values(305018); |
| Insert into waiter values(305019); |
| Insert into waiter values(305020); |

);

CREATE TABLE Employee\_Phone\_Num

(

Phone\_Num NUMBER(20) NOT NULL,

Emp\_ID NUMBER(10) NOT NULL,

PRIMARY KEY (Phone\_Num, Emp\_ID),

FOREIGN KEY (Emp\_ID) REFERENCES Employee(Emp\_ID)

);

Insert into Employee\_Phone\_Num values(01280204984, 305001);

Insert into Employee\_Phone\_Num values(01053798143, 305011);

Insert into Employee\_Phone\_Num values(01252888327, 305011);

Insert into Employee\_Phone\_Num values(01212248467, 305018);

Insert into Employee\_Phone\_Num values(01100149168, 305022);

Insert into Employee\_Phone\_Num values(01175407445, 305027);

Insert into Employee\_Phone\_Num values(01237982372, 305031);

Insert into Employee\_Phone\_Num values(01591593155, 305037);

Insert into Employee\_Phone\_Num values(01043354667, 305037);

Insert into Employee\_Phone\_Num values(01192304911, 305042);

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Branch

CREATE TABLE Branch

(

Branch\_ID NUMBER(10) NOT NULL,

Address varchar2(50) NOT NULL,

ZIP\_CODE NUMBER(5) NOT NULL,

City varchar2(20) NOT NULL,

Manager\_ID NUMBER(10) NOT NULL,

PRIMARY KEY (Branch\_ID),

FOREIGN KEY (Manager\_ID) REFERENCES Manager(Manager\_ID)

);

Insert into Branch values(701, '1 Baker Ave. Gwynn Oak, MD', 21207, 'Gwynn Oak',3020109);

Insert into Branch values(702, ' 56 Green Lake Rd. Crown Point, IN ', 46307, ' Crown Point',3020101);

Insert into Branch values(703, ' 9361 Columbia Street Goodlettsville, TN', 37072, 'Goodlettsville' , 3020107);

Insert into Branch values(704, ' 9298 Elm Lane Jupiter, FL ', 33458, ' Jupiter',3020104);

Insert into Branch values(705, '9253 Hamilton Ave. Livingston, NJ', 07039, ' Livingston',3020106);

Insert into Branch values(706, '7950 Piper Dr. Leominster, MA ', 01453, 'Nuts',3020102);

Insert into Branch values(707, '541 Evergreen Street Middletown, CT ', 06457, ' Middletown',3020101);

Insert into Branch values(708, '8396 Shirley Rd. Harrisburg, PA ', 17109, ' Harrisburg', 3020102);

Insert into Branch values(709, '7671 S. Peninsula Drive Natick, MA ', 01760, ' Natick', 3020108);

Insert into Branch values(710, '88 Jefferson St. Chesterfield, VA', 23832, ' Chesterfield', 3020105);

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Customer

CREATE TABLE Customer

(

C\_ID NUMBER(10) NOT NULL,

C\_Name varchar2(50),

Customer\_Type varchar2(1),

PRIMARY KEY (C\_ID)

);

Insert into Customer values(20201030, 'Mohsen Kamel', 'D');

Insert into Customer values(20201031, 'Amr Sheta', 'D');

Insert into Customer values(20201032, 'Yousef Adel', 'D');

Insert into Customer values(20201033, 'Abdelrahman Kamel', 'D');

Insert into Customer values(20201034, 'Ahmed Anwer', 'D');

Insert into Customer values(20201035, 'Aya Hassan', 'D');

Insert into Customer values(20201036, 'Sara Mitwally', 'D');

Insert into Customer values(20201037, 'Amira Mohammed', 'D');

Insert into Customer values(20201038, 'Zaid Zartin', 'D');

Insert into Customer values(20201039, 'Samah Kamal', 'D');

Insert into Customer values(20201040, 'Mohammed Ahmed', 'T');

Insert into Customer values(20201041, 'Kamal Ali', 'T');

Insert into Customer values(20201042, 'Gehan Anwer', 'T');

Insert into Customer values(20201043, 'Tafida Amr', 'T');

Insert into Customer values(20201044, 'Amal Ahmed', 'T');

Insert into Customer values(20201045, 'Sally Hassan', 'T');

Insert into Customer values(20201046, 'Mohammed Rady', 'T');

Insert into Customer values(20201047, 'Amir Ali', 'T');

Insert into Customer values(20201048, 'Karim Hossam', 'T');

Insert into Customer values(20201049, 'Mahmoud Adel', 'T');

Insert into Customer values(20201050, 'Emma Watson', 'I');

Insert into Customer values(20201051, 'Alexandra Daddario', 'I');

Insert into Customer values(20201052, 'Edward Norton', 'I');

Insert into Customer values(20201053, 'Kasem El-Saher', 'I');

Insert into Customer values(20201054, 'Rene Magritte', 'I');

Insert into Customer values(20201055, 'Emma Stone', 'I');

Insert into Customer values(20201056, 'Emilie Clark', 'I');

Insert into Customer values(20201057, 'Sucdickin inmoth', 'I');

Insert into Customer values(20201058, 'Dragon Deznuts', 'I');

Insert into Customer values(20201059, 'Abeer Shabaan', 'I');

CREATE TABLE Take\_out

(

C\_ID NUMBER(10) NOT NULL,

Queue\_Number NUMBER(3) NOT NULL,

PRIMARY KEY (C\_ID),

FOREIGN KEY (C\_ID) REFERENCES Customer(C\_ID)

);

Insert into Take\_Out values(20201040,70);

Insert into Take\_Out values(20201041,71);

Insert into Take\_Out values(20201042,72);

Insert into Take\_Out values(20201043,73);

Insert into Take\_Out values(20201044,74);

Insert into Take\_Out values(20201045,75);

Insert into Take\_Out values(20201046,76);

Insert into Take\_Out values(20201047,77);

Insert into Take\_Out values(20201048,78);

Insert into Take\_Out values(20201049,79);

CREATE TABLE In\_Restaurant

(

C\_ID NUMBER(10) NOT NULL,

PRIMARY KEY (C\_ID),

FOREIGN KEY (C\_ID) REFERENCES Customer(C\_ID)

);

Insert into In\_Restaurant values(20201050);

Insert into In\_Restaurant values(20201051);

Insert into In\_Restaurant values(20201052);

Insert into In\_Restaurant values(20201053);

Insert into In\_Restaurant values(20201054);

Insert into In\_Restaurant values(20201055);

Insert into In\_Restaurant values(20201056);

Insert into In\_Restaurant values(20201057);

Insert into In\_Restaurant values(20201058);

Insert into In\_Restaurant values(20201059);

CREATE TABLE Delivery

(

C\_ID NUMBER(10) NOT NULL,

Location varchar2(50) NOT NULL,

PRIMARY KEY (C\_ID),

FOREIGN KEY (C\_ID) REFERENCES Customer(C\_ID)

);

Insert into Delivery values(20201030, '7407 Indian Summer St. Orlando, FL 32806');

Insert into Delivery values(20201031, '21 S. Highland St. Merrillville, IN 46410');

Insert into Delivery values(20201032, '8857 Hillside St. Lithonia, GA 30038');

Insert into Delivery values(20201033, '110 Circle Street. Hartselle, AL 35640');

Insert into Delivery values(20201034, '512 Cross Ave. Palm Harbor, FL 34683');

Insert into Delivery values(20201035, '668 Gates Ave. Cedar Rapids, IA 52402');

Insert into Delivery values(20201036, '5 Cross Drive Trussville, AL 35173');

Insert into Delivery values(20201037, '8648 Lilac Dr. Pensacola, FL 32503');

Insert into Delivery values(20201038, '8948 Garden Court. Davenport, IA 52804');

Insert into Delivery values(20201039, '3 Locust Road. Buckeye, AZ 85326');

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Table

CREATE TABLE Table\_

(

Table\_Num NUMBER(3) NOT NULL,

Capacity NUMBER(2) NOT NULL,

Location varchar2(20),

PRIMARY KEY (Table\_Num)

);

insert into Table\_ values(1,2,'room B cornered');

insert into Table\_ values(2,6,'room A beside window');

insert into Table\_ values(3,4,'room B middle hall');

insert into Table\_ values(4,8,'room C cornered');

insert into Table\_ values(5,6,'room B cornered');

insert into Table\_ values(6,2,'room C cornered');

insert into Table\_ values(7,6,'room B middle hall');

insert into Table\_ values(8,4,'room A beside window');

insert into Table\_ values(9,8,'room B middle hall');

insert into Table\_ values(10,6,'room A beside window');

Table

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Managers

CREATE TABLE Manage

(

Emp\_ID NUMBER(10) NOT NULL,

HOSTING\_ID NUMBER(10) NOT NULL,

PRIMARY KEY (Emp\_ID, HOSTING\_ID),

FOREIGN KEY (Emp\_ID) REFERENCES Waiter(Emp\_ID),

FOREIGN KEY (HOSTING\_ID) REFERENCES Hosting(HOSTING\_ID)

);

Insert into Manage values(305011, 50);

Insert into Manage values(305012, 51);

Insert into Manage values(305013, 52);

Insert into Manage values(305014, 53);

Insert into Manage values(305015, 54);

Insert into Manage values(305016, 55);

Insert into Manage values(305017, 56);

Insert into Manage values(305018, 57);

Insert into Manage values(305019, 58);

Insert into Manage values(305020, 59);

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Meals

CREATE TABLE Meals

(

Name varchar2(50) NOT NULL,

price NUMBER(10) NOT NULL,

PRIMARY KEY (Name)

);

Insert into Meals values('Feta and leek wontons', 234);

Insert into Meals values('Vermicelli and cajun seasoning salad', 116);

Insert into Meals values('Puttanesca and limpa salad', 245);

Insert into Meals values('Jalapeno and apple parcels', 128);

Insert into Meals values('Banana and camembert crepes', 187);

Insert into Meals values('Lobster and tuna spaghetti', 374);

Insert into Meals values('Honey and rosemary buns', 179);

Insert into Meals values('Sweetcorn and peanut vindaloo', 161);

Insert into Meals values('Celeriac and courgette cake', 198);

Insert into Meals values('Sugar and eel cake ', 199);

Table

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Dependent

CREATE TABLE Dependent

(

FNAME varchar2(10) NOT NULL,

LNAME varchar2(10) NOT NULL,

Age NUMBER(10) NOT NULL,

Emp\_ID NUMBER(10) NOT NULL,

PRIMARY KEY (FNAME, LNAME),

FOREIGN KEY (Emp\_ID) REFERENCES Employee(Emp\_ID)

);

Insert into Dependent values('Asmaa', 'Ali', 17, 305001);

Insert into Dependent values('Mohammed', 'Rezk', 105, 305007);

Insert into Dependent values('Amira', 'Kotb', 10, 305010);

Insert into Dependent values('Hasnaa', 'Mohammed', 52, 305013);

Insert into Dependent values('Toqa', 'Alaa', 33, 305019);

Insert into Dependent values('Ahmed', 'El-Mandouh', 21, 305024);

Insert into Dependent values('Osamma', 'Abdelader', 28, 305030);

Insert into Dependent values('Kamal', 'Ashraf', 31, 305036);

Insert into Dependent values('Marwan', 'Ahmed', 40, 305042);

Insert into Dependent values('Rahma', 'El-Sayed', 38, 305048);

CREATE TABLE Dependent\_Phone\_Num

(

Phone\_num NUMBER(20) NOT NULL,

FNAME varchar2(10) NOT NULL,

LNAME varchar2(10) NOT NULL,

PRIMARY KEY (Phone\_num, FNAME, LNAME),

FOREIGN KEY (FNAME, LNAME) REFERENCES Dependent(FNAME, LNAME)

);

Insert into Dependent\_Phone\_Num values(01106938490, 'Asmaa', 'Ali');

Insert into Dependent\_Phone\_Num values(01455438490, 'Mohammed', 'Rezk');

Insert into Dependent\_Phone\_Num values(01082948474, 'Amira', 'Kotb');

Insert into Dependent\_Phone\_Num values(01283337377, 'Amira', 'Kotb');

Insert into Dependent\_Phone\_Num values(01687422347, 'Toqa', 'Alaa');

Insert into Dependent\_Phone\_Num values(01093718474, 'Ahmed', 'El-Mandouh');

Insert into Dependent\_Phone\_Num values(01054353454, 'Ahmed', 'El-Mandouh');

Insert into Dependent\_Phone\_Num values(01202909020, 'Kamal', 'Ashraf');

Insert into Dependent\_Phone\_Num values(01130495023, 'Marwan', 'Ahmed');

Insert into Dependent\_Phone\_Num values(01098765432, 'Rahma', 'El-Sayed');

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Hosting and its relations

CREATE TABLE Hosting

(

Time\_Hosted date default sysdate,

HOSTING\_ID NUMBER(10) NOT NULL,

PRIMARY KEY (HOSTING\_ID)

);

insert into Hosting values(sysdate,50);

insert into Hosting values(sysdate,51);

insert into Hosting values(sysdate,52);

insert into Hosting values(sysdate,53);

insert into Hosting values(sysdate,54);

insert into Hosting values(sysdate,55);

insert into Hosting values(sysdate,56);

insert into Hosting values(sysdate,57);

insert into Hosting values(sysdate,58);

insert into Hosting values(sysdate,59);

CREATE TABLE Hosted

(

HOSTING\_ID NUMBER(10) NOT NULL,

Table\_Num NUMBER(10) NOT NULL,

PRIMARY KEY (HOSTING\_ID, Table\_Num),

FOREIGN KEY (HOSTING\_ID) REFERENCES Hosting(HOSTING\_ID),

FOREIGN KEY (Table\_Num) REFERENCES Table\_(Table\_Num)

);

Insert into Hosted values(50, 3);

Insert into Hosted values(51, 4);

Insert into Hosted values(52, 6);

Insert into Hosted values(53, 5);

Insert into Hosted values(54, 1);

Insert into Hosted values(55, 9);

Insert into Hosted values(56, 3);

Insert into Hosted values(57, 2);

Insert into Hosted values(58, 9);

Insert into Hosted values(59, 8);

CREATE TABLE Seated

(

HOSTING\_ID NUMBER(10) NOT NULL,

C\_ID NUMBER(10) NOT NULL,

PRIMARY KEY (HOSTING\_ID, C\_ID),

FOREIGN KEY (HOSTING\_ID) REFERENCES Hosting(HOSTING\_ID),

FOREIGN KEY (C\_ID) REFERENCES In\_Restaurant(C\_ID)

);

Insert into Seated values(50, 20201050);

Insert into Seated values(51, 20201051);

Insert into Seated values(52, 20201052);

Insert into Seated values(53, 20201053);

Insert into Seated values(54, 20201054);

Insert into Seated values(55, 20201055);

Insert into Seated values(56, 20201056);

Insert into Seated values(57, 20201057);

Insert into Seated values(58, 20201058);

Insert into Seated values(59, 20201059);

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Ordering and its relations

CREATE TABLE Order\_

(

Bill NUMBER(10) NOT NULL,

Emp\_ID NUMBER(10) NOT NULL,

C\_ID NUMBER(10) NOT NULL,

Order\_ID NUMBER(10) NOT NULL,

PRIMARY KEY (Order\_ID),

FOREIGN KEY (Emp\_ID) REFERENCES Cashier(Emp\_ID),

FOREIGN KEY (C\_ID) REFERENCES Customer(C\_ID)

);

Insert into Order\_ values(573, 305031, 20201030, 1001040);

Insert into Order\_ values(1439, 305032, 20201040, 1001041);

Insert into Order\_ values(432, 305033, 20201050, 1001042);

Insert into Order\_ values(745, 305034, 20201031, 1001043);

Insert into Order\_ values(968, 305035, 20201041, 1001044);

Insert into Order\_ values(116, 305036, 20201051, 1001045);

Insert into Order\_ values(234, 305037, 20201032, 1001046);

Insert into Order\_ values(653, 305038, 20201042, 1001047);

Insert into Order\_ values(374, 305039, 20201052, 1001048);

Insert into Order\_ values(128, 305040, 20201033, 1001049);

CREATE TABLE Meals\_Ordered

(

Order\_ID NUMBER(10) NOT NULL,

Meal\_Name varchar2(50) NOT NULL,

Primary Key(Order\_ID, Meal\_Name ),

Foreign Key(Order\_ID) REFERENCES Order\_(Order\_ID),

Foreign Key(Meal\_Name) REFERENCES Meals(Name)

);

Insert into Meals\_Ordered values(1001040, 'Feta and leek wontons');

Insert into Meals\_Ordered values(1001041, 'Vermicelli and cajun seasoning salad');

Insert into Meals\_Ordered values(1001042, 'Puttanesca and limpa salad');

Insert into Meals\_Ordered values(1001042, 'Jalapeno and apple parcels');

Insert into Meals\_Ordered values(1001044, 'Banana and camembert crepes');

Insert into Meals\_Ordered values(1001045, 'Lobster and tuna spaghetti');

Insert into Meals\_Ordered values(1001046, 'Honey and rosemary buns');

Insert into Meals\_Ordered values(1001047, 'Sweetcorn and peanut vindaloo');

Insert into Meals\_Ordered values(1001048, 'Celeriac and courgette cake');

Insert into Meals\_Ordered values(1001048, 'Sugar and eel cake ');

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Cooking and its relations

CREATE TABLE cook (

CH\_ID number(10) NOT NULL,

Meal\_Name varchar2(50) NOT NULL,

Foreign key (CH\_ID) references chief(Emp\_ID),

Foreign key (Meal\_Name) references Meals(Name),

PRIMARY KEY(CH\_ID, Meal\_Name)

);

Insert into cook values(305001, 'Feta and leek wontons');

Insert into cook values(305002, 'Vermicelli and cajun seasoning salad');

Insert into cook values(305003, 'Puttanesca and limpa salad');

Insert into cook values(305004, 'Jalapeno and apple parcels');

Insert into cook values(305005, 'Banana and camembert crepes');

Insert into cook values(305006, 'Lobster and tuna spaghetti');

Insert into cook values(305007, 'Honey and rosemary buns');

Insert into cook values(305008, 'Sweetcorn and peanut vindaloo');

Insert into cook values(305009, 'Celeriac and courgette cake');

Insert into cook values(305010, 'Sugar and eel cake ');

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Deliver and its relations

CREATE TABLE Deliver

(

Emp\_ID NUMBER(10) NOT NULL,

C\_ID NUMBER(10) NOT NULL,

PRIMARY KEY (Emp\_ID, C\_ID),

FOREIGN KEY (Emp\_ID) REFERENCES Delivery\_Person(Emp\_ID),

FOREIGN KEY (C\_ID) REFERENCES Delivery(C\_ID)

);

Insert into Deliver values(305021, 20201030);

Insert into Deliver values(305022, 20201031);

Insert into Deliver values(305023, 20201032);

Insert into Deliver values(305024, 20201033);

Insert into Deliver values(305025, 20201034);

Insert into Deliver values(305026, 20201035);

Insert into Deliver values(305027, 20201036);

Insert into Deliver values(305028, 20201037);

Insert into Deliver values(305029, 20201038);

Insert into Deliver values(305030, 20201039);

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The End

Thanks for reading and again all of this belong to you, you made us do this and form our heart to you who taught us

Thank you and merry Christmas