DROP DATABASE IF EXISTS restaurant;

CREATE DATABASE IF NOT EXISTS restaurant;

USE restaurant;

# -------------------- TABLE : USERs---------------------------------------------------------

CREATE TABLE IF NOT EXISTS users

(

id\_user Int NOT NULL AUTO\_INCREMENT ,

nomUtilisateur varchar(50) NULL UNIQUE ,

motDePasse varchar(50) NULL ,

role varchar(50) NULL

, PRIMARY KEY (id\_user)

) ENGINE=INNODB;

# ------------------- TABLE : PERSONNE --

CREATE TABLE IF NOT EXISTS personne

(

id\_Pers Int PRIMARY KEY NOT NULL AUTO\_INCREMENT ,

nom Varchar(50) NOT NULL ,

prenom varchar(50) NOT NULL ,

email varchar(50) NULL

) ENGINE=INNODB;

# ------------ TABLE : ADMIN --

CREATE TABLE IF NOT EXISTS admin

(

id\_Pers Int PRIMARY KEY NOT NULL ,

nomUser Varchar(50) NULL

) ENGINE=INNODB;

# -------------------------------- TABLE : CLIENT ---

CREATE TABLE IF NOT EXISTS client

(

id\_Pers Int PRIMARY KEY NOT NULL ,

adresse varchar(50) Not NULL

) ENGINE=INNODB;

# ------------ TABLE : RESERVATION

CREATE TABLE IF NOT EXISTS reservation

(

idReserv Int PRIMARY KEY NOT NULL ,

idClient Int NOT NULL ,

dateReserv Date Not NULL ,

nbCouvert Int not null,

heureArrive time Not Null

) ENGINE=INNODB;

#--------- INDEX DE LA TABLE RESERVATION

CREATE INDEX I\_FK\_RESERVATION\_client

ON reservation (idClient ASC);

# ---------------- TABLE : PRODUIT

CREATE TABLE IF NOT EXISTS produit

(

idProd Int PRIMARY KEY AUTO\_INCREMENT NOT NULL ,

libelle Varchar(50) NULL ,

photo Varchar(255) NULL

) ENGINE=INNODB;

# --------------------- TABLE : CATEGORIE

CREATE TABLE IF NOT EXISTS categorie

(

idCat Int(11) PRIMARY KEY NOT NULL AUTO\_INCREMENT ,

libelle varchar(50) Not NULL

)ENGINE=INNODB;

#-------------------------------- TABLE : PLAT-

CREATE TABLE IF NOT EXISTS plat

(

idProd Int PRIMARY KEY NOT NULL ,

idCat Int(11) NOT NULL ,

description varchar(255) NULL

) ENGINE=INNODB;

# ------------- INDEX DE LA TABLE PLAT ----

CREATE INDEX I\_FK\_PLAT\_categorie

ON plat (idCat ASC);

# --------------------- TABLE : type ---

CREATE TABLE IF NOT EXISTS categorie

(

idType Int(11) PRIMARY KEY NOT NULL AUTO\_INCREMENT ,

libelle varchar(50) Not NULL

)ENGINE=INNODB;

# ----------------------- TABLE : boisson --

CREATE TABLE IF NOT EXISTS boisson

(

idProd Int PRIMARY KEY NOT NULL ,

quantite Varchar(15) NULL ,

idType Int(11) null ,

PRIX DOUBLE not NULL

) ENGINE=INNODB;

# ---------------------------- INDEX DE LA TABLE boisson

CREATE INDEX I\_FK\_boisson\_type

ON boisson (idType ASC);

# ----------------------- TABLE : COMMANDE --

CREATE TABLE IF NOT EXISTS commande

(

idCmd Int PRIMARY KEY NOT NULL AUTO\_INCREMENT ,

id\_Client Int NOT NULL ,

dateCmd Date Not null

) ENGINE=INNODB;

#------ Index Commande

CREATE INDEX I\_FK\_commande\_client

ON commande (id\_Client ASC);

# --------------------- TABLE : ProduitCOMMANDE --

CREATE TABLE IF NOT EXISTS produitCommande

(

idProd Int Not Null,

idCmd Int NOT NULL ,

quantite Int NULL

) ENGINE=INNODB;

# ---------------- INDEX DE LA TABLE produitcommande

CREATE INDEX I\_FK\_PRODUITCOMMANDE\_PRODUIT

ON produitCommande (idProd ASC);

CREATE INDEX I\_FK\_produitCommande\_commande

ON produitCommande (idCmd ASC);

# ----------- Clé étrangères des tables ----

ALTER TABLE commande

ADD FOREIGN KEY FK\_commande\_client (id\_Client)

REFERENCES client (id\_Pers) ON DELETE CASCADE

ON UPDATE CASCADE ;

ALTER TABLE boisson

ADD FOREIGN KEY FK\_boisson\_produit (idProd)

REFERENCES produit (idProd) ON DELETE CASCADE

ON UPDATE CASCADE,

ALTER TABLE admin

ADD FOREIGN KEY FK\_admin\_personne (id\_Pers)

REFERENCES personne (id\_Pers) ON DELETE CASCADE

ON UPDATE CASCADE ;

ALTER TABLE plat

ADD FOREIGN KEY FK\_plat\_categorie (idCat)

REFERENCES categorie (idCat) ON DELETE CASCADE

ON UPDATE CASCADE ,

ADD FOREIGN KEY FK\_plat\_produit (idProd)

REFERENCES produit (idProd) ON DELETE CASCADE

ON UPDATE CASCADE ;

ALTER TABLE client

ADD FOREIGN KEY FK\_client\_personne (id\_Pers)

REFERENCES personne (id\_Pers) ON DELETE CASCADE

ON UPDATE CASCADE ;

ALTER TABLE reservation

ADD FOREIGN KEY FK\_reservation\_client (idClient)

REFERENCES client (id\_Pers) ON DELETE CASCADE

ON UPDATE CASCADE ;

ALTER TABLE produitCommande

ADD FOREIGN KEY FK\_produitCommande\_produit (idProd)

REFERENCES produit (idProd),

ADD CONSTRAINT Pk\_ProduitCommande PRIMARY KEY (idProd,idCmd),

ADD FOREIGN KEY FK\_produitCommande\_commande (idCmd)

REFERENCES commande (idCmd) ON DELETE CASCADE

ON UPDATE CASCADE ;