CREATE SCHEMA GOUDA;

CREATE TABLE GOUDA.CUSTOMER

(CUS\_NAME VARCHAR(30) NOT NULL,

CUS\_ID VARCHAR(10) NOT NULL,

CUS\_PHONE VARCHAR(15),

PRIMARY KEY(CUS\_ID));

CREATE TABLE GOUDA.EMPLOYEE

(EMP\_NAME VARCHAR(30) NOT NULL,

 EMP\_ID VARCHAR(10) NOT NULL,

 EMP\_JOB ENUM("Kitchen", "Floor", "Maintenance") NOT NULL,

 EMP\_PHONE VARCHAR(15),

 PAY DOUBLE NOT NULL,

 WORKED\_HR DOUBLE NOT NULL,

 MANAGES\_EMP\_ID VARCHAR(10),

 PRIMARY KEY(EMP\_ID),

 FOREIGN KEY(MANAGES\_EMP\_ID) REFERENCES GOUDA.EMPLOYEE(EMP\_ID) ON DELETE CASCADE);

 CREATE TABLE GOUDA.FOOD\_ITEM

 (ITEM\_NAME VARCHAR(25) NOT NULL,

  UNIT\_COST DOUBLE NOT NULL,

  MENU\_PRICE DOUBLE NOT NULL,

  PRIMARY KEY(ITEM\_NAME));

CREATE TABLE GOUDA.BILL

(BILL\_ID VARCHAR(10) NOT NULL,

 EMP\_TIP DOUBLE,

 BILL\_TYPE ENUM("Arcade", "Food"),

 PRIMARY KEY(BILL\_ID));

 CREATE TABLE GOUDA.MACHINERY

 (MACHINE\_TYPE VARCHAR(20),

  MANUFACTURER VARCHAR(30) NOT NULL,

  SERIAL\_NO VARCHAR(10) NOT NULL,

  PRIMARY KEY(SERIAL\_NO));

  CREATE TABLE GOUDA.COUPON

  (COUPON\_ID VARCHAR(10) NOT NULL,

   ORIG\_PRICE DOUBLE NOT NULL,

   DISC\_PRICE DOUBLE NOT NULL,

   LIMITATION INTEGER,

   PRIMARY KEY(COUPON\_ID));

   CREATE TABLE GOUDA.FOOD\_ITEM\_INGREDIENTS

   (ITEM\_NAME VARCHAR(25) NOT NULL,

INGREDIENTS VARCHAR(25) NOT NULL,

    PRIMARY KEY(ITEM\_NAME, INGREDIENTS),

    FOREIGN KEY(ITEM\_NAME) REFERENCES GOUDA.FOOD\_ITEM(ITEM\_NAME) ON DELETE CASCADE);

    CREATE TABLE GOUDA.MAINTAINS

    (EMP\_ID VARCHAR(10) NOT NULL,

     SERIAL\_NO VARCHAR(10) NOT NULL,

     PRIMARY KEY(EMP\_ID, SERIAL\_NO),

     FOREIGN KEY(EMP\_ID) REFERENCES GOUDA.EMPLOYEE(EMP\_ID) ON DELETE CASCADE,

     FOREIGN KEY(SERIAL\_NO) REFERENCES GOUDA.MACHINERY(SERIAL\_NO) ON DELETE CASCADE);

     CREATE TABLE GOUDA.ORDERS\_FOOD\_ITEM

     (CUS\_ID VARCHAR(10) NOT NULL,

      ITEM\_NAME VARCHAR(25) NOT NULL,

      NO\_SOLD INTEGER NOT NULL,

      DATE\_ORDERED DATE NOT NULL,

      PRIMARY KEY(CUS\_ID, ITEM\_NAME, DATE\_ORDERED),

      FOREIGN KEY(CUS\_ID) REFERENCES GOUDA.CUSTOMER(CUS\_ID) ON DELETE CASCADE,

      FOREIGN KEY(ITEM\_NAME) REFERENCES GOUDA.FOOD\_ITEM(ITEM\_NAME) ON DELETE CASCADE);

      CREATE TABLE GOUDA.USE\_COUPON

      (BILL\_ID VARCHAR(10) NOT NULL,

       COUPON\_ID VARCHAR(10) NOT NULL,

       PRIMARY KEY(BILL\_ID, COUPON\_ID),

       FOREIGN KEY(BILL\_ID) REFERENCES GOUDA.BILL(BILL\_ID) ON DELETE CASCADE,

       FOREIGN KEY(COUPON\_ID) REFERENCES GOUDA.COUPON(COUPON\_ID) ON DELETE CASCADE);

create table gouda.PREPARES

(SERIAL\_NO varchar(10) NOT NULL,

ITEM\_NAME varchar(25) NOT NULL,

primary key(SERIAL\_NO, ITEM\_NAME),

foreign key(SERIAL\_NO) references machinery(SERIAL\_NO),

foreign key(ITEM\_NAME) references food\_item(ITEM\_NAME));