-- Table: DOCUMENTO\_VENTA

CREATE TABLE DOCUMENTO\_VENTA (

ID INT NOT NULL AUTO\_INCREMENT,

AMOUNT DECIMAL(10,2) NOT NULL, -- Se reemplaza DOUBLE con DECIMAL para mayor compatibilidad

TIME TIMESTAMP NOT NULL,

TYPE CHAR(1) NOT NULL,

CONSTRAINT DOCUMENTO\_VENTA\_pk PRIMARY KEY (ID)

);

-- Table: BOLETA

CREATE TABLE BOLETA (

ID INT NOT NULL AUTO\_INCREMENT,

NUMBER\_TICKET INT NOT NULL,

DOCUMENTO\_VENTA\_ID INT NOT NULL,

CONSTRAINT BOLETA\_pk PRIMARY KEY (ID),

CONSTRAINT BOLETA\_DOCUMENTO\_VENTA FOREIGN KEY (DOCUMENTO\_VENTA\_ID)

REFERENCES DOCUMENTO\_VENTA (ID) ON DELETE CASCADE ON UPDATE CASCADE

);

-- Table: FACTURA

CREATE TABLE FACTURA (

ID INT NOT NULL AUTO\_INCREMENT,

SERIE INT NOT NULL,

DOCUMENTO\_VENTA\_ID INT NOT NULL,

CONSTRAINT FACTURA\_pk PRIMARY KEY (ID),

CONSTRAINT FACTURA\_DOCUMENTO\_VENTA FOREIGN KEY (DOCUMENTO\_VENTA\_ID)

REFERENCES DOCUMENTO\_VENTA (ID) ON DELETE CASCADE ON UPDATE CASCADE

);

-- Table: CLIENTE

CREATE TABLE CLIENTE (

ID INT NOT NULL AUTO\_INCREMENT,

NAME\_CUSTOMER VARCHAR(45) NOT NULL,

LAST\_NAME VARCHAR(45) NOT NULL,

CONSTRAINT CLIENTE\_pk PRIMARY KEY (ID)

);

-- Table: CAJERO

CREATE TABLE CAJERO (

ID INT NOT NULL AUTO\_INCREMENT,

NAME\_CASHIER VARCHAR(45) NOT NULL,

NUMBER\_BOX INT NOT NULL,

CONSTRAINT CAJERO\_pk PRIMARY KEY (ID)

);

-- Table: PRODUCTO

CREATE TABLE PRODUCTO (

ID INT NOT NULL AUTO\_INCREMENT,

NAME\_PRODUC VARCHAR(45) NOT NULL,

PRICE DECIMAL(10,2) NOT NULL,

AMOUNT INT NOT NULL,

CONSTRAINT PRODUCTO\_pk PRIMARY KEY (ID)

);

-- Table: PROVEEDOR

CREATE TABLE PROVEEDOR (

ID INT NOT NULL AUTO\_INCREMENT,

RUC\_E INT NOT NULL,

NAME\_COMPANY VARCHAR(45) NOT NULL,

CONSTRAINT PROVEEDOR\_pk PRIMARY KEY (ID)

);

-- Table: TRABAJADOR

CREATE TABLE TRABAJADOR (

ID INT NOT NULL AUTO\_INCREMENT,

NAME VARCHAR(45) NOT NULL,

LAST\_NAME VARCHAR(45) NOT NULL,

CONSTRAINT TRABAJADOR\_pk PRIMARY KEY (ID)

);

CREATE TABLE PEDIDO (

ID INT NOT NULL AUTO\_INCREMENT,

AMOUNT INT NOT NULL,

TIME TIMESTAMP NOT NULL DEFAULT CURRENT\_TIMESTAMP,

TRABAJADOR\_ID INT NOT NULL,

PROVEEDOR\_ID INT NOT NULL,

PRODUCTO\_ID INT NOT NULL,

CONSTRAINT PEDIDO\_pk PRIMARY KEY (ID),

CONSTRAINT PEDIDO\_TRABAJADOR FOREIGN KEY (TRABAJADOR\_ID)

REFERENCES TRABAJADOR (ID) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT PEDIDO\_PROVEEDOR FOREIGN KEY (PROVEEDOR\_ID)

REFERENCES PROVEEDOR (ID) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT PEDIDO\_PRODUCTO FOREIGN KEY (PRODUCTO\_ID)

REFERENCES PRODUCTO (ID) ON DELETE CASCADE ON UPDATE CASCADE

);

-- Table: VENTA

CREATE TABLE VENTA (

ID INT NOT NULL AUTO\_INCREMENT,

AMOUNT\_PRODUC INT NOT NULL,

TIME TIMESTAMP NOT NULL,

CLIENTE\_ID INT NOT NULL,

CAJERO\_ID INT NOT NULL,

PRODUCTO\_ID INT NOT NULL,

DOCUMENTO\_VENTA\_ID INT NOT NULL,

CONSTRAINT VENTA\_pk PRIMARY KEY (ID),

CONSTRAINT VENTA\_CLIENTE FOREIGN KEY (CLIENTE\_ID)

REFERENCES CLIENTE (ID) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT VENTA\_CAJERO FOREIGN KEY (CAJERO\_ID)

REFERENCES CAJERO (ID) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT VENTA\_PRODUCTO FOREIGN KEY (PRODUCTO\_ID)

REFERENCES PRODUCTO (ID) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT VENTA\_DOCUMENTO\_VENTA FOREIGN KEY (DOCUMENTO\_VENTA\_ID)

REFERENCES DOCUMENTO\_VENTA (ID) ON DELETE CASCADE ON UPDATE CASCADE

);

insert into CLIENTE ( NAME\_CUSTOMER, LAST\_NAME)

values ('Cristopher', 'sotelo'),

(' Ronald', 'Espinoza');

select\*from CLIENTE;

insert into CAJERO ( NAME\_CASHIER, NUMBER\_BOX)

VALUES( 'Paola', '3'),

( 'Jorge', '2');

select\*from CAJERO;

insert into PRODUCTO ( NAME\_PRODUC, PRICE, AMOUNT)

VALUES( 'fideo', 5.4, '20'),

('leche', 4.2, '15');

select\*from PRODUCTO;

update PRODUCTO set NAME\_PRODUC='PAN', PRICE=8.0, AMOUNT= '21' WHERE ID=1 ;

insert into TRABAJADOR ( NAME, LAST\_NAME)

values ( 'Rosa', 'Linares'),

( 'Pedro', 'Yactayo');

select\*from TRABAJADOR;

insert into PROVEEDOR ( RUC\_E, NAME\_COMPANY)

values ( '2015678954', 'ARCOR'),

(' 2046379345', 'Nestle');

select\*from PROVEEDOR;

insert into PEDIDO ( AMOUNT, TIME, TRABAJADOR\_ID, PROVEEDOR\_ID, PRODUCTO\_ID)

values ('22', '2024-11-08 10:00:00', '0001', '00001',0002),

( '13','2024-11-08 11:35:06', '0002', '00002',0001);

select\*from PEDIDO;

CREATE OR REPLACE VIEW VENTA\_BOLETA AS

SELECT

Documento\_Venta.ID AS ID\_Documento\_Venta,

Documento\_Venta.Amount,

Documento\_Venta.Time,

CASE

WHEN Documento\_Venta.TYPE = 'B' THEN 'BOLETA'

WHEN Documento\_Venta.TYPE = 'F' THEN 'FACTURA'

ELSE 'OTRO'

END AS Tipo\_Documento,

COALESCE(Boleta.ID, Factura.ID) AS ID\_Documento\_Adicional,

COALESCE(Boleta.Number\_ticket, Factura.serie) AS Numero\_Documento\_Adicional

FROM Documento\_Venta

LEFT JOIN Boleta ON Documento\_Venta.ID = Boleta.Documento\_Venta\_ID

LEFT JOIN Factura ON Documento\_Venta.ID = Factura.DOCUMENTO\_VENTA\_ID;

CREATE OR REPLACE VIEW PEDIDO\_FULL AS

SELECT Pedido.ID, Pedido.AMOUNT, Pedido.TIME, Trabajador.ID AS TRABAJADOR\_ID,

concat(Trabajador.NAME, ' ',Trabajador.LAST\_NAME) as NOMBRE\_TRABAJADOR,

Proveedor.ID AS PROVEEDOR\_ID, Proveedor.NAME\_COMPANY,

Producto.ID AS PRODUCTO\_ID, Producto.NAME\_PRODUC

FROM Pedido

INNER JOIN Trabajador on Pedido.Trabajador\_ID = Trabajador.ID

INNER JOIN Proveedor on Pedido.Proveedor\_ID = Proveedor.ID

INNER JOIN Producto on Pedido.Producto\_ID = Producto.ID;

SELECT\*FROM PEDIDO\_FULL;

select ID\_Documento\_Venta, Amount, Time, Tipo\_Documento, ID\_Documento\_Adicional, Numero\_Documento\_Adicional from VENTA\_BOLETA;

SELECT ID, CONCAT(NAME, ' ', LAST\_NAME) AS NOMBRE

FROM TRABAJADOR;

SELECT ID, NAME\_COMPANY FROM PROVEEDOR;

select ID, NAME\_PRODUC FROM PRODUCTO;

CREATE OR REPLACE VIEW VENTA\_FULL AS

SELECT Venta.ID, Venta.AMOUNT\_PRODUC, Venta.TIME,

cliente.ID AS CLIENTE\_ID,

concat(Cliente.NAME\_CUSTOMER, ' ',Cliente.LAST\_NAME) as NOMBRE\_CLIENTE,

Cajero.ID as CAJERO\_ID, Cajero.NAME\_CASHIER as NOMBRE\_CAJERO,

Producto.ID as PRODUCTO\_ID, Producto.NAME\_PRODUC,

DOCUMENTO\_VENTA.ID AS DOCUMENTO\_VENTA\_ID

FROM Venta

INNER JOIN Cliente on Venta.Cliente\_ID = Cliente.ID

INNER JOIN Cajero on Venta.Cajero\_ID = Cajero.ID

INNER JOIN Producto on Venta.Producto\_ID = Producto.ID

INNER JOIN Documento\_Venta on Venta.Documento\_Venta\_ID = Documento\_Venta.ID;

SELECT\*FROM VENTA\_FULL;

insert into DOCUMENTO\_VENTA (AMOUNT, TIME, TYPE)

values ('11', '2024-11-07 09:12:36', 'B'),

('8', '2024-11-07 10:34:29', 'F'),

('20', '2024-11-07 11:12:36', 'B'),

('18', '2024-11-07 12:34:29', 'F');

insert into VENTA (AMOUNT\_PRODUC, TIME, CLIENTE\_ID, CAJERO\_ID, PRODUCTO\_ID, DOCUMENTO\_VENTA\_ID)

values ('2', '2024-11-07 09:16:06', '2', '01', '002', '02'),

('3', '2024-11-07 10:40:19', '1', '02', '001', '01');

insert into BOLETA (NUMBER\_TICKET, DOCUMENTO\_VENTA\_ID)

values ('645', '2'),

('3', '1'),

('5', '11');

insert into FACTURA (SERIE, DOCUMENTO\_VENTA\_ID)

values ('2468', '2'),

('3742', '1');