-- CREATE DB

-- CREATE Ref\_Account\_Types

-- Table: public."Ref\_Account\_Types"

-- DROP TABLE public."Ref\_Account\_Types";

CREATE TABLE public."Ref\_Account\_Types"

(

account\_type\_code numeric(2,0) NOT NULL,

account\_type\_description character varying(30) COLLATE pg\_catalog."default" NOT NULL,

CONSTRAINT account\_pk PRIMARY KEY (account\_type\_code),

CONSTRAINT atc\_unique UNIQUE (account\_type\_code)

)

WITH (

OIDS = FALSE

)

TABLESPACE pg\_default;

ALTER TABLE public."Ref\_Account\_Types"

OWNER to bd;

-- CREATE Ref\_Customers\_Types

-- Table: public."Ref\_Customers\_Types"

-- DROP TABLE public."Ref\_Customers\_Types";

CREATE TABLE public."Ref\_Customers\_Types"

(

customer\_type\_code numeric(2,0) NOT NULL,

customer\_type\_description character varying(30) COLLATE pg\_catalog."default" NOT NULL,

CONSTRAINT " customer\_pk" PRIMARY KEY (customer\_type\_code),

CONSTRAINT ctc\_pk UNIQUE (customer\_type\_code)

)

WITH (

OIDS = FALSE

)

TABLESPACE pg\_default;

ALTER TABLE public."Ref\_Customers\_Types"

OWNER to bd;

GRANT ALL ON TABLE public."Ref\_Customers\_Types" TO bd WITH GRANT OPTION;

-- CREATE Ref\_Transaction\_Types

-- Table: public."Ref\_Transaction\_Types"

-- DROP TABLE public."Ref\_Transaction\_Types";

CREATE TABLE public."Ref\_Transaction\_Types"

(

transaction\_type\_code numeric(3,0) NOT NULL,

transaction\_type\_description character varying(30) COLLATE pg\_catalog."default" NOT NULL,

CONSTRAINT t\_pk PRIMARY KEY (transaction\_type\_code),

CONSTRAINT rtc UNIQUE (transaction\_type\_code)

)

WITH (

OIDS = FALSE

)

TABLESPACE pg\_default;

ALTER TABLE public."Ref\_Transaction\_Types"

OWNER to bd;

GRANT ALL ON TABLE public."Ref\_Transaction\_Types" TO bd WITH GRANT OPTION;

-- CREATE CUSTOMERS

-- Table: public."Customers"

-- DROP TABLE public."Customers";

CREATE TABLE public."Customers"

(

customer\_id numeric(8,0) NOT NULL,

customer\_type\_code numeric(2,0) NOT NULL,

customer\_name character varying(50) COLLATE pg\_catalog."default" NOT NULL,

customer\_phone numeric(13,0) NOT NULL,

customer\_email character varying(45) COLLATE pg\_catalog."default" NOT NULL,

date\_became\_customer date NOT NULL,

other\_details character varying(100) COLLATE pg\_catalog."default",

CONSTRAINT customer\_id\_pk PRIMARY KEY (customer\_id),

CONSTRAINT ctc\_pk FOREIGN KEY (customer\_type\_code)

REFERENCES public."Ref\_Customers\_Types" (customer\_type\_code) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION,

CONSTRAINT check\_id CHECK (customer\_id > 10000000::numeric) NOT VALID,

CONSTRAINT check\_at\_email\_1 CHECK ("position"(customer\_email::text, '@'::text) > 0) NOT VALID,

CONSTRAINT check\_at\_email\_2 CHECK ("position"(customer\_email::text, '.'::text) > 0) NOT VALID

)

WITH (

OIDS = FALSE

)

TABLESPACE pg\_default;

ALTER TABLE public."Customers"

OWNER to bd;

GRANT ALL ON TABLE public."Customers" TO bd WITH GRANT OPTION;

-- CREATE ACCOUNTS

-- Table: public."Accounts"

-- DROP TABLE public."Accounts";

CREATE TABLE public."Accounts"

(

account\_id numeric(16,0) NOT NULL,

account\_type\_code numeric(2,0) NOT NULL,

customer\_id numeric(8,0),

account\_name character varying(50) COLLATE pg\_catalog."default" NOT NULL,

date\_opened date NOT NULL,

date\_closed date,

current\_balance numeric(10,2) NOT NULL,

other\_account\_details character varying(100) COLLATE pg\_catalog."default",

CONSTRAINT account\_id\_pk PRIMARY KEY (account\_id),

CONSTRAINT pk\_unique UNIQUE (account\_id)

,

CONSTRAINT atc\_fk FOREIGN KEY (account\_type\_code)

REFERENCES public."Ref\_Account\_Types" (account\_type\_code) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION,

CONSTRAINT customer\_id\_fk FOREIGN KEY (customer\_id)

REFERENCES public."Customers" (customer\_id) MATCH SIMPLE

ON UPDATE SET NULL

ON DELETE SET NULL,

CONSTRAINT check\_date CHECK (date\_closed > date\_opened) NOT VALID,

CONSTRAINT check\_id CHECK (account\_id >= '1000000000000000'::bigint::numeric) NOT VALID

)

WITH (

OIDS = FALSE

)

TABLESPACE pg\_default;

ALTER TABLE public."Accounts"

OWNER to bd;

GRANT ALL ON TABLE public."Accounts" TO bd WITH GRANT OPTION;

-- CREATE PARTIES

-- Table: public."Parties"

-- DROP TABLE public."Parties";

CREATE TABLE public."Parties"

(

party\_id serial,

name character varying(50) COLLATE pg\_catalog."default" NOT NULL,

phone numeric(13,0) NOT NULL,

email character varying(45) COLLATE pg\_catalog."default" NOT NULL,

other\_details character varying(100) COLLATE pg\_catalog."default",

CONSTRAINT "Parties\_pkey" PRIMARY KEY (party\_id),

CONSTRAINT check\_email\_1 CHECK ("position"(email::text, '@'::text) > 0) NOT VALID,

CONSTRAINT check\_email\_2 CHECK ("position"(email::text, '.'::text) > 0) NOT VALID

)

WITH (

OIDS = FALSE

)

TABLESPACE pg\_default;

ALTER TABLE public."Parties"

OWNER to bd;

GRANT ALL ON TABLE public."Parties" TO bd WITH GRANT OPTION;

-- CREATE Transaction\_Messages

-- Table: public."Transaction\_Messages"

-- DROP TABLE public."Transaction\_Messages";

CREATE TABLE public."Transaction\_Messages"

(

message\_number SERIAL NOT NULL,

account\_id numeric(16,0) ,

counterparty\_id serial ,

party\_id serial ,

transaction\_type\_code numeric(3,0) NOT NULL,

counterparty\_role character varying(45) COLLATE pg\_catalog."default" NOT NULL,

currency\_code character varying(10) COLLATE pg\_catalog."default" NOT NULL,

iban\_number character varying(34) COLLATE pg\_catalog."default" NOT NULL,

transaction\_date date NOT NULL,

amount numeric(10,2) NOT NULL,

balance numeric(10,2) NOT NULL,

location character varying(45) COLLATE pg\_catalog."default" NOT NULL,

party\_role character varying(45) COLLATE pg\_catalog."default" NOT NULL,

CONSTRAINT message\_number\_pk PRIMARY KEY (message\_number),

CONSTRAINT mn\_unique UNIQUE (message\_number)

,

CONSTRAINT account\_id\_fk FOREIGN KEY (account\_id)

REFERENCES public."Accounts" (account\_id) MATCH SIMPLE

ON UPDATE SET NULL

ON DELETE SET NULL,

CONSTRAINT counteroparty\_id\_fk FOREIGN KEY (counterparty\_id)

REFERENCES public."Parties" (party\_id) MATCH SIMPLE

ON UPDATE SET NULL

ON DELETE SET NULL,

CONSTRAINT party\_id\_fk FOREIGN KEY (party\_id)

REFERENCES public."Parties" (party\_id) MATCH SIMPLE

ON UPDATE SET NULL

ON DELETE SET NULL,

CONSTRAINT rtt\_ttc\_fk FOREIGN KEY (transaction\_type\_code)

REFERENCES public."Ref\_Transaction\_Types" (transaction\_type\_code) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

)

WITH (

OIDS = FALSE

)

TABLESPACE pg\_default;

ALTER TABLE public."Transaction\_Messages"

OWNER to bd;

-- INSERTS

INSERT INTO public."Ref\_Account\_Types"(

account\_type\_code, account\_type\_description)

VALUES (1, 'Credito');

INSERT INTO public."Ref\_Account\_Types"(

account\_type\_code, account\_type\_description)

VALUES (2, 'Debito');

INSERT INTO public."Ref\_Account\_Types"(

account\_type\_code, account\_type\_description)

VALUES (3, 'Empresarial');

INSERT INTO public."Ref\_Customers\_Types"(

customer\_type\_code, customer\_type\_description)

VALUES (1, 'Persona Fisica');

INSERT INTO public."Ref\_Customers\_Types"(

customer\_type\_code, customer\_type\_description)

VALUES (2, 'Persona Moral');

INSERT INTO public."Ref\_Customers\_Types"(

customer\_type\_code, customer\_type\_description)

VALUES (3, 'Empresa');

INSERT INTO public."Ref\_Transaction\_Types"(

transaction\_type\_code, transaction\_type\_description)

VALUES (1, 'Deposito');

INSERT INTO public."Ref\_Transaction\_Types"(

transaction\_type\_code, transaction\_type\_description)

VALUES (2, 'Retiro');

INSERT INTO public."Ref\_Transaction\_Types"(

transaction\_type\_code, transaction\_type\_description)

VALUES (3, 'Transferencia');

-- CUSTOMERS

INSERT INTO public."Customers"(

customer\_id, customer\_type\_code, customer\_name, customer\_phone, customer\_email, date\_became\_customer)

VALUES (15326500, 1, 'Isabel Dominguez Vazquez',5212997846380, 'isabel@ironbank.com', '2017/12/3');

INSERT INTO public."Customers"(

customer\_id, customer\_type\_code, customer\_name, customer\_phone, customer\_email, date\_became\_customer)

VALUES (23737076, 2, 'América Gonzalez Mancera', 5216375152627, 'america@ironbank.com', '2017/3/26');

INSERT INTO public."Customers"(

customer\_id, customer\_type\_code, customer\_name, customer\_phone, customer\_email, date\_became\_customer)

VALUES (65772032, 1,'Brian Peña Elias', 5218365460514, 'brian@ironbank.com', '2014/2/22');

INSERT INTO public."Customers"(

customer\_id, customer\_type\_code, customer\_name, customer\_phone, customer\_email, date\_became\_customer)

VALUES (16626304 , 1, 'Cesar Wong Ramos', 5218580790715, 'cesar@ironbank.com' , '2018/6/28');

INSERT INTO public."Customers"(

customer\_id, customer\_type\_code, customer\_name, customer\_phone, customer\_email, date\_became\_customer)

VALUES (60344646 , 2, 'Kevin Elias Orozco', 5211293034770, 'kevin@ironbank.com', '2015/7/27');

INSERT INTO public."Customers"(

customer\_id, customer\_type\_code, customer\_name, customer\_phone, customer\_email, date\_became\_customer)

VALUES (32155156 , 1, 'Ema Arredondo Valle', 5211284358435, 'ema@ironbank.com', '2012/10/21');

INSERT INTO public."Customers"(

customer\_id, customer\_type\_code, customer\_name, customer\_phone, customer\_email, date\_became\_customer)

VALUES (70043342 , 1, 'Karla Rojas Martinez' , 5211777462868, 'karla@ironbank.com', '2016/4/12');

INSERT INTO public."Customers"(

customer\_id, customer\_type\_code, customer\_name, customer\_phone, customer\_email, date\_became\_customer)

VALUES (12536043 , 2, 'Juan Garcia Galaz' , 5214182454457, 'juan@ironbank.com', '2018/12/13');

INSERT INTO public."Customers"(

customer\_id, customer\_type\_code, customer\_name, customer\_phone, customer\_email, date\_became\_customer)

VALUES (43656364 , 1, 'Kevin Romero Villalobos', 5214963711990, 'kevinr@ironbank.com', '2016/3/12');

INSERT INTO public."Customers"(

customer\_id, customer\_type\_code, customer\_name, customer\_phone, customer\_email, date\_became\_customer)

VALUES (51050633, 1, 'Brian Rosales Aleman', 5218534920422, 'brianr@ironbank.com', '2018/12/6');

-- ACOUNTS

INSERT INTO public."Accounts"(

account\_id, account\_type\_code, customer\_id, account\_name, date\_opened, current\_balance)

VALUES (1611791890103567, 2 , 15326500 , 'Isabel Dominguez Vazquez' , '2017/12/3', 6209);

INSERT INTO public."Accounts"(

account\_id, account\_type\_code, customer\_id, account\_name, date\_opened, current\_balance)

VALUES (1290340148275017, 2 , 23737076 , 'América Gonzalez Mancera' , '2017/3/26', 6244);

INSERT INTO public."Accounts"(

account\_id, account\_type\_code, customer\_id, account\_name, date\_opened, current\_balance)

VALUES (5517423021603526, 3 , 65772032 , 'Brian Peña Elias' , '2014/2/22', 5235);

INSERT INTO public."Accounts"(

account\_id, account\_type\_code, customer\_id, account\_name, date\_opened, current\_balance)

VALUES (3440167315534327, 1 , 16626304 , 'Cesar Wong Ramos' , '2018/6/28', 95);

INSERT INTO public."Accounts"(

account\_id, account\_type\_code, customer\_id, account\_name, date\_opened, current\_balance)

VALUES (1236031474653018, 1 , 60344646 , 'Kevin Elias Orozco' , '2015/7/27', 912);

INSERT INTO public."Accounts"(

account\_id, account\_type\_code, customer\_id, account\_name, date\_opened, current\_balance)

VALUES (2053510571412051, 1 , 32155156 , 'Ema Arredondo Valle' , '2012/10/21', 9499);

INSERT INTO public."Accounts"(

account\_id, account\_type\_code, customer\_id, account\_name, date\_opened, current\_balance)

VALUES (6492781508890236, 1 , 12536043 , 'Juan Garcia Galaz' , '2018/12/13', 7052);

INSERT INTO public."Accounts"(

account\_id, account\_type\_code, customer\_id, account\_name, date\_opened, current\_balance)

VALUES (1022538231006226, 3 , 70043342 , 'Karla Rojas Martinez' , '2016/4/12', 8434);

INSERT INTO public."Accounts"(

account\_id, account\_type\_code, customer\_id, account\_name, date\_opened, current\_balance)

VALUES (3078446633961958, 1 , 43656364 , 'Kevin Romero Villalobos' , '2016/3/12', 7574);

INSERT INTO public."Accounts"(

account\_id, account\_type\_code, customer\_id, account\_name, date\_opened, current\_balance)

VALUES (6265035471522529, 1 , 51050633 , 'Brian Rosales Aleman' , '2018/12/6', 1043);

-- PARTIES

INSERT INTO public."Parties"(name,phone,email)

VALUES ('Gerardo Alonso',9716846190,'gerardo@ironbank.com');

INSERT INTO public."Parties"(name,phone,email)

VALUES ('Oscar Alvaro',5333436771,'oscar@ironbank.com');

INSERT INTO public."Parties"(name,phone,email)

VALUES ('Gerardo Alonso',8554730593,'gerardo@ironbank.com');

INSERT INTO public."Parties"(name,phone,email)

VALUES ('Ramiro Amaya',9716846190,'gerardo@ironbank.com');

INSERT INTO public."Parties"(name,phone,email)

VALUES ('Salvador Alvares',3217181008,'salvador@ironbank.com');

INSERT INTO public."Parties"(name,phone,email)

VALUES ('Leonardo Arredondo',6002714456,'leonardo@ironbank.com');

INSERT INTO public."Parties"(name,phone,email)

VALUES ('Alfredo Aragon',8458220373,'alfredo@ironbank.com');

INSERT INTO public."Parties"(name,phone,email)

VALUES ('Gustavo Aquiles',8720643012,'gustavo@ironbank.com');

INSERT INTO public."Parties"(name,phone,email)

VALUES ('Javier Arnaud',1805532442,'javier@ironbank.com');

INSERT INTO public."Parties"(name,phone,email)

VALUES ('Rosalia Argumosa',4465251883,'rosalia@ironbank.com');

INSERT INTO public."Transaction\_Messages"(

account\_id, counterparty\_id, party\_id, transaction\_type\_code, counterparty\_role, currency\_code, iban\_number, transaction\_date, amount, balance, location, party\_role)

VALUES (1611791890103567,1,2,2,'Deposito','Dolar','BE71096123456769','2018/08/06',1320.55,5000,'Mexico','Credito');

INSERT INTO public."Transaction\_Messages"(

account\_id, counterparty\_id, party\_id, transaction\_type\_code, counterparty\_role, currency\_code, iban\_number, transaction\_date, amount, balance, location, party\_role)

VALUES (1290340148275017,2,3,2,'Deposito','Dolar','BE71096123456701','2018/08/06',1320.55,5000,'Mexico','Credito');

INSERT INTO public."Transaction\_Messages"(

account\_id, counterparty\_id, party\_id, transaction\_type\_code, counterparty\_role, currency\_code, iban\_number, transaction\_date, amount, balance, location, party\_role)

VALUES (5517423021603526,3,4,2,'Deposito','Dolar','BE71096123456702','2018/08/06',1320.55,5000,'Mexico','Credito');

INSERT INTO public."Transaction\_Messages"(

account\_id, counterparty\_id, party\_id, transaction\_type\_code, counterparty\_role, currency\_code, iban\_number, transaction\_date, amount, balance, location, party\_role)

VALUES (3440167315534327,4,5,2,'Deposito','Dolar','BE71096123456703','2018/08/06',1320.55,5000,'Mexico','Credito');

INSERT INTO public."Transaction\_Messages"(

account\_id, counterparty\_id, party\_id, transaction\_type\_code, counterparty\_role, currency\_code, iban\_number, transaction\_date, amount, balance, location, party\_role)

VALUES (1236031474653018,5,6,2,'Deposito','Dolar','BE71096123456704','2018/08/06',1320.55,5000,'Mexico','Credito');

INSERT INTO public."Transaction\_Messages"(

account\_id, counterparty\_id, party\_id, transaction\_type\_code, counterparty\_role, currency\_code, iban\_number, transaction\_date, amount, balance, location, party\_role)

VALUES (2053510571412051,6,7,2,'Deposito','Dolar','BE71096123456705','2018/08/06',1320.55,5000,'Mexico','Credito');

INSERT INTO public."Transaction\_Messages"(

account\_id, counterparty\_id, party\_id, transaction\_type\_code, counterparty\_role, currency\_code, iban\_number, transaction\_date, amount, balance, location, party\_role)

VALUES (6492781508890236,7,8,2,'Deposito','Dolar','BE71096123456706','2018/08/06',1320.55,5000,'Mexico','Credito');

INSERT INTO public."Transaction\_Messages"(

account\_id, counterparty\_id, party\_id, transaction\_type\_code, counterparty\_role, currency\_code, iban\_number, transaction\_date, amount, balance, location, party\_role)

VALUES (1022538231006226,9,10,2,'Deposito','Dolar','BE71096123456707','2018/08/06',1320.55,5000,'Mexico','Credito');

INSERT INTO public."Transaction\_Messages"(

account\_id, counterparty\_id, party\_id, transaction\_type\_code, counterparty\_role, currency\_code, iban\_number, transaction\_date, amount, balance, location, party\_role)

VALUES (3078446633961958,10,1,2,'Deposito','Dolar','BE71096123456708','2018/08/06',1320.55,5000,'Mexico','Credito');

INSERT INTO public."Transaction\_Messages"(

account\_id, counterparty\_id, party\_id, transaction\_type\_code, counterparty\_role, currency\_code, iban\_number, transaction\_date, amount, balance, location, party\_role)

VALUES (6265035471522529,2,1,2,'Deposito','Dolar','BE71096123456709','2018/08/06',1320.55,5000,'Mexico','Credito');