//Comandos para generar la base de datos. Equipo 6

DB2 COMMANDS

// COLEGIO

CREATE TABLE COLEGIO (id INTEGER NOT NULL, start\_date DATE NOT NULL, end\_date DATE NOT NULL, sys\_start TIMESTAMP(12) NOT NULL GENERATED ALWAYS AS ROW BEGIN, SYS\_END TIMESTAMP(12) NOT NULL GENERATED ALWAYS AS ROW END, create\_id timestamp(12) generated always as transaction start id, PERIOD BUSINESS\_TIME(start\_date, end\_date), PERIOD SYSTEM\_TIME(SYS\_START, SYS\_END), PRIMARY KEY (ID))

CREATE TABLE HIST\_COLEGIO like colegio

alter table colegio add versioning use history table hist\_colegio

CREATE UNIQUE INDEX index\_COLEGIO ON Colegio(id, BUSINESS\_TIME WITHOUT OVERLAPS)

//MESA B / S

CREATE TABLE MESA (id INTEGER NOT NULL, COLEGIO\_id INTEGER NOT NULL, LETRA VARCHAR(1) NOT NULL, votos\_vacios INTEGER NOT NULL, votos\_nulos INTEGER NOT NULL, sys\_start TIMESTAMP(12) NOT NULL GENERATED ALWAYS AS ROW BEGIN, SYS\_END TIMESTAMP(12) NOT NULL GENERATED ALWAYS AS ROW END, create\_id timestamp(12) generated always as transaction start id, PERIOD SYSTEM\_TIME(SYS\_START, SYS\_END), PRIMARY KEY (id), FOREIGN KEY(COLEGIO\_id) REFERENCES COLEGIO(ID))

create table hist\_mesa like mesa

alter table mesa add versioning use history table hist\_mesa

//VOTANTE S

CREATE TABLE VOTANTE (ine\_pasaporte VARCHAR(45) NOT NULL, nombre VARCHAR(45) NOT NULL, nacimiento DATE NOT NULL, direccion VARCHAR(100) NOT NULL, mesa\_id INTEGER NOT NULL, partido\_siglas VARCHAR(10) NOT NULL, apoderado BOOLEAN NOT NULL, mexicano BOOLEAN NOT NULL, municipal\_federal boolean not NULL, sys\_start TIMESTAMP(12) NOT NULL GENERATED ALWAYS AS ROW BEGIN, SYS\_END TIMESTAMP(12) NOT NULL GENERATED ALWAYS AS ROW END, create\_id timestamp(12) generated always as transaction start id, PERIOD SYSTEM\_TIME(SYS\_START, SYS\_END), PRIMARY KEY(ine\_pasaporte, mesa\_id, partido\_siglas), FOREIGN KEY (partido\_siglas) REFERENCES PARTIDO(siglas), FOREIGN KEY (mesa\_id) REFERENCES MESA(id))

create table hist\_votante like votante

alter table votante add versioning use history table hist\_votante

//PARTIDO S

CREATE TABLE PARTIDO (siglas VARCHAR(10) NOT NULL, nombre VARCHAR(45) NOT NULL, nombre\_presidente VARCHAR(45) NOT NULL, sys\_start TIMESTAMP(12) NOT NULL GENERATED ALWAYS AS ROW BEGIN, SYS\_END TIMESTAMP(12) NOT NULL GENERATED ALWAYS AS ROW END, create\_id timestamp(12) generated always as transaction start id, PERIOD SYSTEM\_TIME(SYS\_START, SYS\_END), PRIMARY KEY(siglas))

create table hist\_partido like Partido

alter table partido add versioning use history table hist\_partido

//LISTA NOMINAL B/S

CREATE TABLE LISTA\_NOMINAL (INE VARCHAR(45) NOT NULL, NOMBRE VARCHAR(45) NOT NULL, PARTIDO\_SIGLAS VARCHAR(10) NOT NULL, ORDEN INTEGER NOT NULL, START\_DATE TIMESTAMP(6) NOT NULL, END\_DATE TIMESTAMP(6) NOT NULL, sys\_start TIMESTAMP(12) NOT NULL GENERATED ALWAYS AS ROW BEGIN, SYS\_END TIMESTAMP(12) NOT NULL GENERATED ALWAYS AS ROW END, create\_id timestamp(12) generated always as transaction start id, PERIOD BUSINESS\_TIME(START\_DATE, END\_DATE), PERIOD SYSTEM\_TIME(SYS\_START, SYS\_END), PRIMARY KEY (INE), FOREIGN KEY (PARTIDO\_SIGLAS) REFERENCES PARTIDO(SIGLAS))

create table hist\_nominal like lista\_nominal

alter table lista\_nominal add versioning use history table hist\_nominal

CREATE UNIQUE INDEX index\_nominal ON lista\_nominal(INE, BUSINESS\_TIME WITHOUT OVERLAPS)

//SUPLENTE B/S

CREATE TABLE SUPLENTE (SUPLENTE\_INE VARCHAR(45) NOT NULL, VOTANTE\_MESA\_ID INTEGER NOT NULL, VOTANTE\_PARTIDO\_SIGLAS VARCHAR(10) NOT NULL, start\_date DATE NOT NULL, end\_date DATE NOT NULL, sys\_start TIMESTAMP(12) NOT NULL GENERATED ALWAYS AS ROW BEGIN, SYS\_END TIMESTAMP(12) NOT NULL GENERATED ALWAYS AS ROW END, create\_id timestamp(12) generated always as transaction start id, PERIOD BUSINESS\_TIME(start\_date, end\_date), period SYSTEM\_TIME(SYS\_START, SYS\_END), PRIMARY KEY(SUPLENTE\_INE), FOREIGN KEY (SUPLENTE\_INE, VOTANTE\_MESA\_ID, VOTANTE\_PARTIDO\_SIGLAS) REFERENCES VOTANTE(INE\_PASAPORTE, MESA\_ID, PARTIDO\_SIGLAS))

create table hist\_suplente like suplente

alter table suplente add versioning use history table hist\_suplente

CREATE UNIQUE INDEX index\_period\_SUPLENTE ON SUPLENTE(SUPLENTE\_INE, BUSINESS\_TIME WITHOUT OVERLAPS)

//MIEMBRO B /S

CREATE TABLE MIEMBRO (VOTANTE\_INE VARCHAR(45) NOT NULL, VOTANTE\_MESA\_ID INTEGER NOT NULL, VOTANTE\_PARTIDO\_SIGLAS VARCHAR(10) NOT NULL, PRESIDENTE\_VOCAL BOOLEAN NOT NULL, SUPLENTE\_INE VARCHAR(45) NOT NULL, start\_date DATE NOT NULL, end\_date DATE NOT NULL, sys\_start TIMESTAMP(12) NOT NULL GENERATED ALWAYS AS ROW BEGIN, SYS\_END TIMESTAMP(12) NOT NULL GENERATED ALWAYS AS ROW END, create\_id timestamp(12) generated always as transaction start id, PERIOD BUSINESS\_TIME(start\_date, end\_date), period SYSTEM\_TIME(SYS\_START, SYS\_END), FOREIGN KEY (VOTANTE\_INE, VOTANTE\_MESA\_ID, VOTANTE\_PARTIDO\_SIGLAS) REFERENCES VOTANTE(INE\_PASAPORTE, MESA\_ID, PARTIDO\_SIGLAS), FOREIGN KEY (SUPLENTE\_INE) REFERENCES SUPLENTE(SUPLENTE\_INE))

Create table hist\_miembro like miembro

alter table miembro add versioning use history table hist\_miembro

CREATE UNIQUE INDEX index\_period\_MIEMBRO ON MIEMBRO(VOTANTE\_INE, BUSINESS\_TIME WITHOUT OVERLAPS)