

-- Crear base de datos

CREATE DATABASE ProductPatent;

USE ProductPatent;

-- Tabla de Inventores

```
CREATE TABLE Inventor (
    IdInventor VARCHAR(15) PRIMARY KEY,
    InventorName VARCHAR(100) NULL,
    InventorAddress VARCHAR(255) NULL,
    Phone VARCHAR(20) NULL
);
```

-- Tabla de Patentes

```
CREATE TABLE Patent (
    IdPatent VARCHAR(15) PRIMARY KEY,
    InventName VARCHAR(255) NOT NULL,
    BuyDate DATE NULL,
    IdInventor VARCHAR(15),
    FOREIGN KEY (IdInventor) REFERENCES Inventor(IdInventor)
);
```

-- Tabla de Ayudantes

```
CREATE TABLE AssistantInventors (
    IdAssistant VARCHAR(15) PRIMARY KEY,
    AssistantName VARCHAR(100) NOT NULL,
    AssistantAddress VARCHAR(255) NULL,
    Phone VARCHAR(20) NULL,
    IdInventor VARCHAR(15),
    FOREIGN KEY (IdInventor) REFERENCES Inventor(IdInventor)
);
```

-- Tabla de Empresas

```
CREATE TABLE Company (
    IdCompany VARCHAR(15) PRIMARY KEY,
    CompanyName VARCHAR(100) NULL,
    CompanyAddress VARCHAR(255),
    Phone VARCHAR(100)
);
```

-- Tabla de Compra de Patentes

```
CREATE TABLE BuyPatent (
    IdPatent VARCHAR(15),
    IdCompany VARCHAR(15),
    BuyDate DATE NOT NULL,
    PRIMARY KEY (IdPatent, IdCompany),
    FOREIGN KEY (IdPatent) REFERENCES Patent(IdPatent),
    FOREIGN KEY (IdCompany) REFERENCES Company(IdCompany)
);
```

-- Tabla de Contratacion de Inventores

```
CREATE TABLE HiringInventor (
    IdPatent VARCHAR(15),
```

```

        IdCompany VARCHAR(15),
        IdInventor VARCHAR(15),
        HiringDate DATE NOT NULL,
        PRIMARY KEY (IdPatent, IdCompany, IdInventor),
        FOREIGN KEY (IdPatent) REFERENCES Patent(IdPatent),
        FOREIGN KEY (IdPatent) REFERENCES Company(IdCompany),
        FOREIGN KEY (IdInventor) REFERENCES Inventor(IdInventor)
    );

-- Tabla de Contratacion de Ayudantes
CREATE TABLE HiringAssistant (
    IdAssistant VARCHAR(15),
    IdCompany VARCHAR(15),
    HiringDate DATE NOT NULL,
    PRIMARY KEY (IdAssistant, IdCompany),
    FOREIGN KEY (IdAssistant) REFERENCES AssistantInventors(idAssistant),
    FOREIGN KEY (IdCompany) REFERENCES Company(IdCompany)
);

/*INSERTAR DATOS A LA BASE DE DATOS: ProductPatent*/

--TABLE PATENT

INSERT INTO Patent ( IdPatent, InventName, BuyDate)
VALUES ( '1A', 'AIDSvaccine', '2000-04-01');
INSERT INTO Patent ( IdPatent, InventName, BuyDate)
VALUES ( '1B', 'COVIDvaccine', '2001-04-01');
INSERT INTO Patent ( IdPatent, InventName, BuyDate)
VALUES ( '1C', 'VIHvaccine', '2002-04-01');
INSERT INTO Patent ( IdPatent, InventName, BuyDate)
VALUES ( '1D', 'SIFILISvaccine', '2004-04-01');
INSERT INTO Patent ( IdPatent, InventName, BuyDate)
VALUES ( '1E', 'GONOVaccine', '2005-04-01');

-- TABLA INVENTORES

INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0001', 'Carlos_Munera', 'Clle37nro37-110', '45454');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0002', 'Federico_Velez', 'Cra14nro37-120', '545-87-85');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0003', 'Juan_Cardenas', 'Clle38nro45-110', '321-42-52');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0004', 'Maria_Rivas', 'Clle24nro38-120', '341-45-45');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0005', 'Eliana_Sanchez', 'Clle37nro37-110', '645-56-56');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0006', 'Jesusa_Loaiza', 'Clle78nro37-20', '645-57-57');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0007', 'Eliza_Guerra', 'Clle27nro78-112', '784-58-56');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0008', 'Jessy_Sanchez', 'Clle78nro78-70', '789-56-78');

```

```
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0009', 'Yeisy_Toro', 'Clle71nro91-40', '325-78-56');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0010', 'Morena_Suaza', 'Clle72nro89-10', '125-74-578');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0011', 'Sarilla_Soto', 'Clle72nro89-10', '125-74-578');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0012', 'Norena_Suaza', 'Clle72nro89-10', '125-74-578');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0013', 'Carmen_Mejia', 'Clle72nro89-10', '125-74-578');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0014', 'Omaira_Suaza', 'Clle72nro89-10', '125-74-578');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0015', 'Ian_Usme', 'Clle72nro89-10', '125-74-578');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0016', 'Rosana_Caro', 'Clle72nro89-10', '125-74-578');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0017', 'Mauroa_Calix', 'Clle72nro89-10', '125-74-658');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0018', 'Marija_Toro', 'Clle72nro89-10', '125-74-879');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0019', 'Caroa_Ruisa', 'Clle72nro89-10', '125-74-821');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0020', 'Sorany_Alvsa', 'Clle72nro89-10', '125-74-659');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0021', 'Risana_Suaza', 'Clle72nro89-10', '125-74-578');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0022', 'Sorena_Cajca', 'Clle72nro89-10', '125-74-578');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0023', 'Carina_Suria', 'Clle72nro89-10', '125-74-578');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0024', 'Isaena_Sabca', 'Clle72nro89-10', '125-74-578');
INSERT INTO Inventor (IdInventor, InventorName, InventorAddress, Phone)
VALUES ( '0025', 'Sarisa_Toroa', 'Clle72nro89-10', '125-74-578');
```

#### --TABLA AYUDANTES

```
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ( '001', 'Alvaro_Ruiz', 'cll144-nro31-130', '654-45-45');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ( '002', 'Ana_Rios', 'cll145-nro36-14', '654-45-45');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ( '003', 'Diana_Mejia', 'cll1334-nro36-110', '654-45-65');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ( '004', 'Juano_Caro', 'cll145-nro38-170', '654-45-45');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ( '005', 'Sara_Cano', 'cll154-nro21-10', '654-45-45');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ( '006', 'Mara_Cano', 'cll154-nro21-10', '654-45-48');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ( '007', 'Cary_Mazo', 'cll154-nro21-10', '654-45-45');
```

```
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ('008', 'Sara_Cano', 'c1154-nro21-10', '654-45-45');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ('009', 'Samu_Riiz', 'c1154-nro21-10', '654-45-46');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ('010', 'Alvaro_Ruiz', 'c1144-nro31-130', '654-45-78');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ('011', 'Alvaro_Ruiz', 'c1144-nro31-130', '654-45-45');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ('012', 'Sarita_Mara', 'c1144-nro31-130', '654-45-55');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ('013', 'Samuo_Mazo', 'c1144-nro31-130', '654-45-45');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ('014', 'Sabina_Ruiz', 'c1144-nro31-130', '654-45-44');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ('015', 'Savaro_Muño', 'c1144-nro31-130', '654-45-64');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ('016', 'Saravo_Carz', 'c1144-nro31-130', '654-45-45');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ('017', 'SaFiro_Ruiz', 'c1144-nro31-130', '654-45-54');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ('018', 'Savino_Mizi', 'c1144-nro31-130', '654-45-54');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ('019', 'Carmen_Sumi', 'c1144-nro31-130', '654-45-87');
INSERT INTO AssistantInventors (IdAssistant, AssistantName, AssistantAddress, Phone)
VALUES ('020', 'Alvaro_Ruiz', 'c1144-nro31-130', '654-45-45');
```

#### --TABLA EMPRESAS

```
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ('01', 'SURASEGUROS', 'CR34-NRO36-20', '544-95-45');
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ('02', 'BANCOBBVA', 'CR45-NRO67-10', '487-45-46');
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ('03', 'BAGRARIO', 'CR64-NRO45-78', '789-45-45');
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ('04', 'EPSSANITAS', 'CR98-NRO78-49', '678-45-78');
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ('05', 'BANCOHABI', 'CR64-NRO45-46', '456-45-78');
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ('06', 'BANCOHABI', 'CR64-NRO45-46', '456-45-71');
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ('07', 'BANCOHABI', 'CR64-NRO45-46', '456-45-71');
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ('08', 'BANCOHABI', 'CR64-NRO45-46', '456-45-73');
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ('09', 'BANCOHABI', 'CR64-NRO45-46', '456-45-75');
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ('10', 'BANCOHABI', 'CR64-NRO45-46', '456-45-76');
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ('11', 'bbvaOHABI', 'CR64-NRO45-46', '456-45-73');
```

```
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ( '12', 'EPSSOHABI', 'CR64-NR045-46', '456-45-12');
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ( '13', 'BANCOHABI', 'CR64-NR045-47', '456-45-47');
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ( '14', 'BANCOHABI', 'CR64-NR045-56', '456-45-56');
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ( '15', 'EPSSAVIAI', 'CR64-NR045-41', '456-45-78');
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ( '16', 'BANCOHABI', 'CR64-NR045-37', '456-45-57');
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ( '17', 'BANCOHABI', 'CR64-NR045-76', '456-45-74');
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ( '19', 'BANCOHABI', 'CR64-NR045-42', '456-45-65');
INSERT INTO Company ( IdCompany, CompanyName, CompanyAddres, Phone)
VALUES ( '20', 'BANCONACI', 'CR64-NR045-96', '456-45-39');
```

--TABLA CONTRATACION INVENTORES

```
INSERT INTO HiringInventor (HiringDate)
VALUES ( '2005-01-10');
```