Base de Datos

UD2-Practica 2

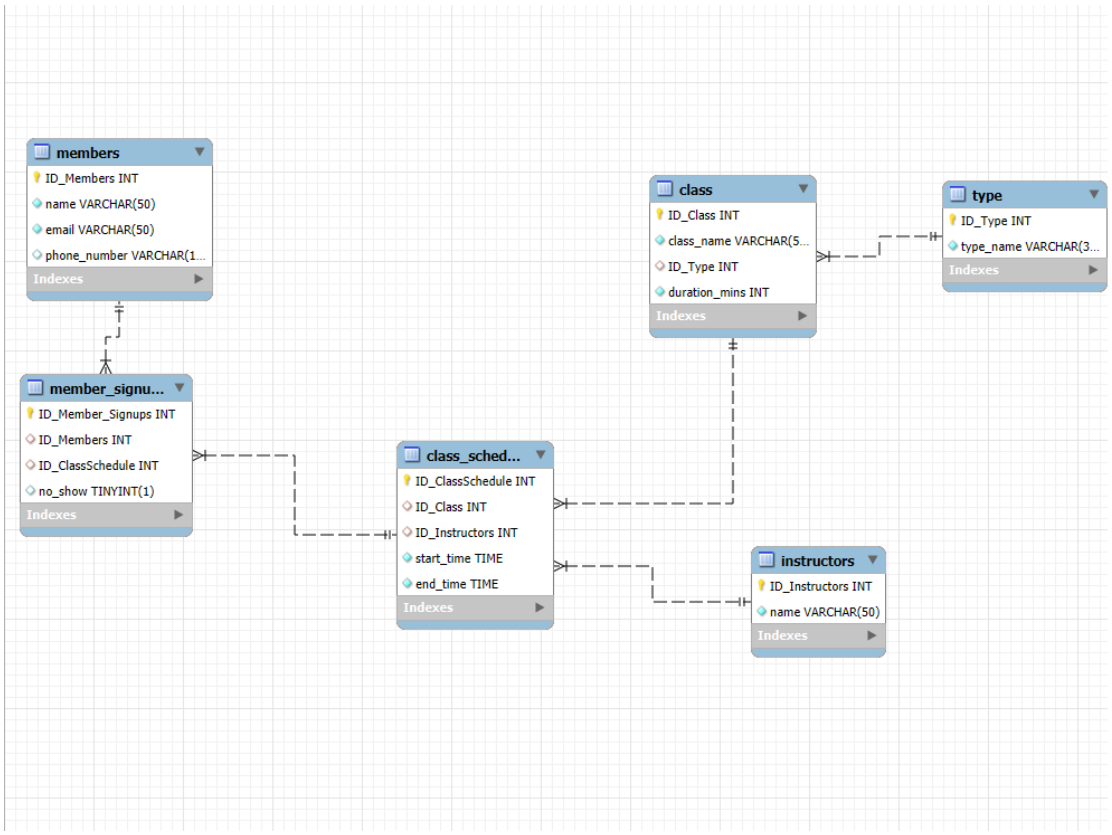
Indice

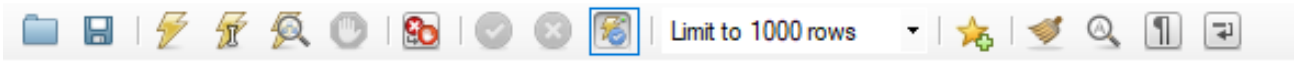
Crea el código SQL

Una captura de tu ingeniería inversa

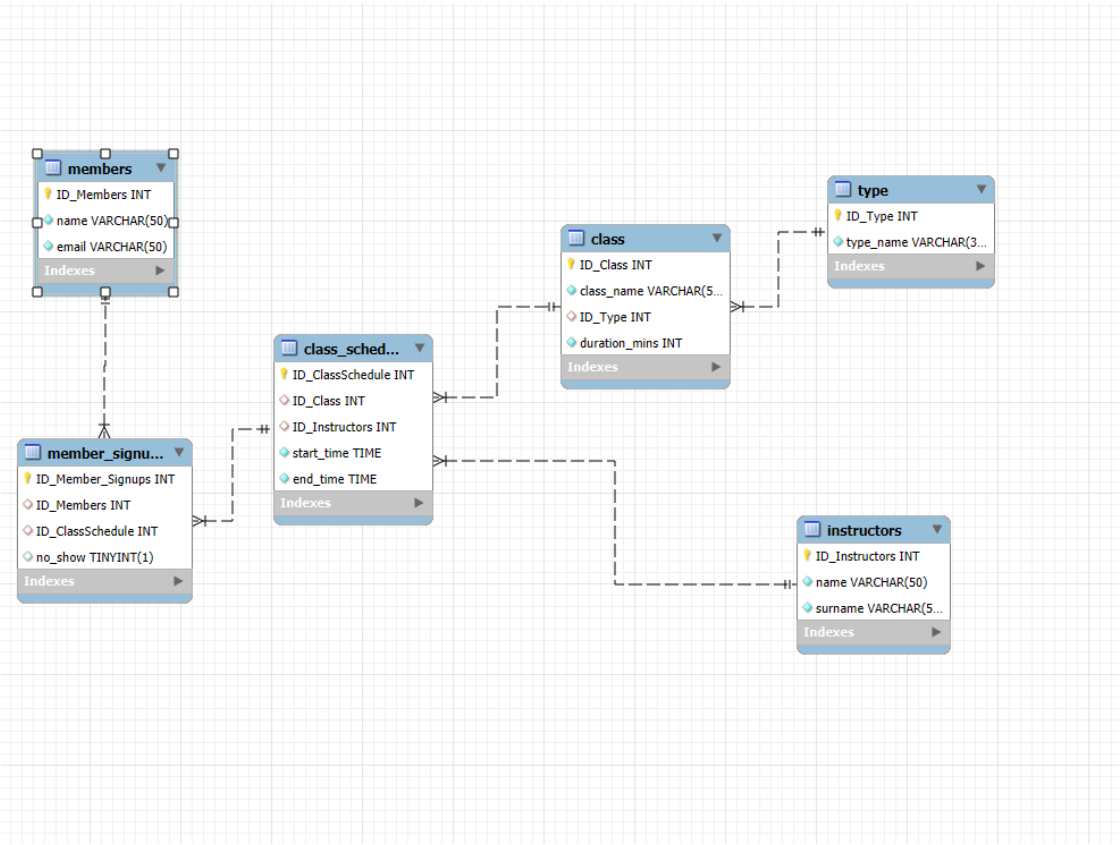
Una captura actualizada de mi ingeniería inversa

Query 1
Limit to 1000 rows
DROP DATABASE p2;
CREATE DATABASE p2;
USE p2;
CREATE TABLE Members (
ID_Members INT AUTO_INCREMENT PRIMARY KEY,
name VARCHAR(50) NOT NULL,
email VARCHAR(50) NOT NULL,
phone_number VARCHAR(15)
);
CREATE TABLE Member_Signups (
ID_Member_Signups INT AUTO_INCREMENT PRIMARY KEY,
ID_Members INT,
ID_ClassSchedule INT,
FOREIGN KEY (ID_Members) REFERENCES Members(ID_Members),
FOREIGN KEY (ID_ClassSchedule) REFERENCES Class_Schedule(ID_ClassSchedule),
no_show BOOLEAN
);
CREATE TABLE Class_Schedule (
ID_ClassSchedule INT AUTO_INCREMENT PRIMARY KEY,
ID_Class INT,
ID_Instructors INT,
FOREIGN KEY (ID_Class) REFERENCES Class(ID_Class),
FOREIGN KEY (ID_Instructors) REFERENCES Instructors(ID_Instructors),
start_time TIME NOT NULL,
end_time TIME NOT NULL
);
CREATE TABLE Class (
ID_Class INT AUTO_INCREMENT PRIMARY KEY,
class_name VARCHAR(50) NOT NULL,
ID_Type INT,
FOREIGN KEY (ID_Type) REFERENCES Type(ID_Type),
duration_mins INT NOT NULL
);
CREATE TABLE Type (
ID_Type INT AUTO_INCREMENT PRIMARY KEY,
type_name VARCHAR(30) NOT NULL
);
CREATE TABLE Instructors (
ID_Instructors INT AUTO_INCREMENT PRIMARY KEY,
name VARCHAR(50) NOT NULL
);


members
ID_Members INT
name VARCHAR(50)
email VARCHAR(50)
phone_number VARCHAR(1...
Indexes
class
ID_Class INT
class_name VARCHAR(5...
ID_Type INT
duration_mins INT
Indexes
type
ID_Type INT
type_name VARCHAR(3...
Indexes
member_signu...
ID_Member_Signups INT
ID_Members INT
ID_ClassSchedule INT
no_show TINYINT(1)
Indexes
class_sched...
ID_ClassSchedule INT
ID_Class INT
ID_Instructors INT
start_time TIME
end_time TIME
Indexes
instructors
ID_Instructors INT
name VARCHAR(50)
Indexes




```sql
DROP DATABASE p2;
CREATE DATABASE p2;
USE p2;

CREATE TABLE Type (
    ID_Type INT AUTO_INCREMENT PRIMARY KEY,
    type_name VARCHAR(30) NOT NULL
);

CREATE TABLE Instructors (
    ID_Instructors INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(50) NOT NULL,
    surname VARCHAR(50) NOT NULL
);

CREATE TABLE Members (
    ID_Members INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(50) NOT NULL,
    email VARCHAR(50) NOT NULL
);


CREATE TABLE Class (
    ID_Class INT AUTO_INCREMENT PRIMARY KEY,
    class_name VARCHAR(50) NOT NULL,
    ID_Type INT,
    FOREIGN KEY (ID_Type) REFERENCES Type(ID_Type),
    duration_mins INT NOT NULL
);

CREATE TABLE Class_Schedule (
    ID_ClassSchedule INT AUTO_INCREMENT PRIMARY KEY,
    ID_Class INT,
    ID_Instructors INT,
    FOREIGN KEY (ID_Class) REFERENCES Class(ID_Class),
    FOREIGN KEY (ID_Instructors) REFERENCES Instructors(ID_Instructors),
    start_time TIME NOT NULL,
    end_time TIME NOT NULL
);

CREATE TABLE Member_Signups (
    ID_Member_Signups INT AUTO_INCREMENT PRIMARY KEY,
    ID_Members INT,
    ID_ClassSchedule INT,
    FOREIGN KEY (ID_Members) REFERENCES Members(ID_Members),
    FOREIGN KEY (ID_ClassSchedule) REFERENCES Class_Schedule(ID_ClassSchedule),
    no_show BOOLEAN DEFAULT FALSE
);
```


members
ID_Members INT
name VARCHAR(50)
email VARCHAR(50)
Indexes
type
ID_Type INT
type_name VARCHAR(3...
Indexes
class
ID_Class INT
class_name VARCHAR(5...
ID_Type INT
duration_mins INT
Indexes
class_sched...
ID_ClassSchedule INT
ID_Class INT
ID_Instructors INT
start_time TIME
end_time TIME
Indexes
member_signu...
ID_Member_Signups INT
ID_Members INT
ID_ClassSchedule INT
no_show TINYINT(1)
Indexes
instructors
ID_Instructors INT
name VARCHAR(50)
surname VARCHAR(5...
Indexes