UD2 - Práctica 2. Partiendo del modelo relacional - solución

Ejercicio 1

```
DROP DATABASE IF EXISTS GIMNASIO_PRUEBA;
CREATE DATABASE GIMNASIO_PRUEBA;
USE GIMNASIO_PRUEBA;

CREATE TABLE Members (
 id INT,
 name VARCHAR(40) NOT NULL,
 email VARCHAR(40) UNIQUE NOT NULL,
 phone_number VARCHAR(20),
 CONSTRAINT PK_members PRIMARY KEY (id)
);

CREATE TABLE Types (
 id INT,
 type_name VARCHAR(50),
 CONSTRAINT PK_types PRIMARY KEY (id)
);

CREATE TABLE Classes (
 id INT,
 class_name VARCHAR(50),
 type_id INT NOT NULL,
 duration_mins INT,
 CONSTRAINT PK_classes PRIMARY KEY (id),
 FOREIGN KEY (type_id) REFERENCES Types(id)
);

CREATE TABLE Instructors (
 id INT,
 name VARCHAR(40) NOT NULL,
 CONSTRAINT PK_instructors PRIMARY KEY (id)
);
```

```
CREATE TABLE Class_Schedule (
 id INT,
 class_id INT,
 instructor_id INT,
 start_time DATETIME,
 end_time DATETIME,
 CONSTRAINT PK_CS PRIMARY KEY (id),
 FOREIGN KEY (class_id) REFERENCES Classes(id),
 FOREIGN KEY (instructor_id) REFERENCES Instructors(id)
);

CREATE TABLE Member_Signups (
 id INT,
 member_id INT,
 class_schedule_id INT,
 no_show BOOLEAN,
 CONSTRAINT PK_MS PRIMARY KEY (id),
 FOREIGN KEY (member_id) REFERENCES Members(id),
 FOREIGN KEY (class_schedule_id) REFERENCES Class_Schedule(id)
);
```

Ejercicio 2

```
ALTER TABLE Instructores ADD Surname VARCHAR (40);
ALTER TABLE Miembros DROP COLUMN phone_number;
```