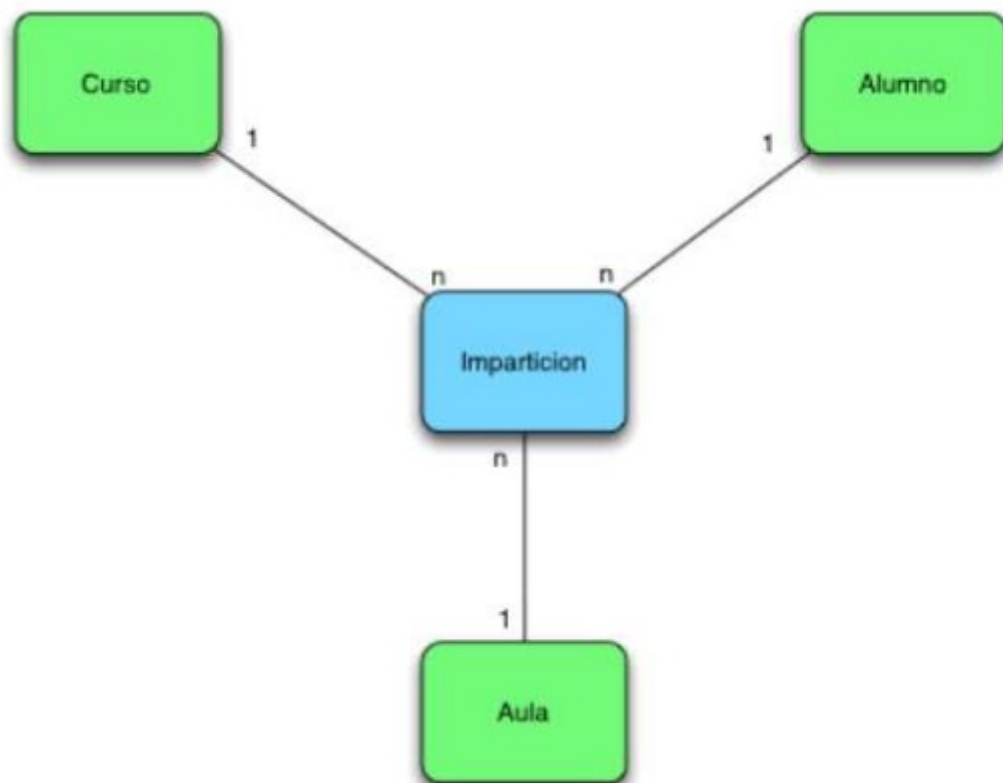


# Actividad 8 - Relaciones ternarias

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Indice:

Portada .....1

Indice ..... 2

Introduccion ..... 3

Resolucion ..... 4

Conclusion ..... 5

Bibliografia ..... 6

✔ MySQL ha devuelto un conjunto de valores vacío (es decir: cero columnas). (La consulta tardó 0,0003 segundos.)

```
CREATE TABLE Courses( Id_course INT PRIMARY KEY AUTO_INCREMENT, Subject ENUM('Formation_training','Informatic_system_programation','Support_people_risk_social_exclusion','Sound_image','Cooking_restoration','Sport_animation') );
```

[ Editar en línea ] [ Editar ] [ Crear código PHP ]

✔ MySQL ha devuelto un conjunto de valores vacío (es decir: cero columnas). (La consulta tardó 0,0004 segundos.)

```
CREATE TABLE Teachers( Id_teacher INT PRIMARY KEY AUTO_INCREMENT, Name VARCHAR(15) NOT NULL, Surname VARCHAR(15) NOT NULL );
```

[ Editar en línea ] [ Editar ] [ Crear código PHP ]

✔ MySQL ha devuelto un conjunto de valores vacío (es decir: cero columnas). (La consulta tardó 0,0005 segundos.)

```
CREATE TABLE Classrooms( Id_classroom INT PRIMARY KEY AUTO_INCREMENT, Rooms ENUM('1.1-Informatic_room','1.2-Normal_room','1.3-Health_workshop_room','2.1-Image_workshop_room','2.2-Restaurant_workshop_room','2.3-Gym_room') );
```

[ Editar en línea ] [ Editar ] [ Crear código PHP ]

✔ MySQL ha devuelto un conjunto de valores vacío (es decir: cero columnas). (La consulta tardó 0,0004 segundos.)

```
CREATE TABLE Relations( Id_relation INT PRIMARY KEY AUTO_INCREMENT, Course_id INT NOT NULL, Teacher_id INT NOT NULL, Classroom_id INT NOT NULL, CONSTRAINT FK_Relations_Courses FOREIGN KEY (Course_id) REFERENCES Courses(Id_course), CONSTRAINT FK_Relations_Teachers FOREIGN KEY (Teacher_id) REFERENCES Teachers(Id_teacher), CONSTRAINT FK_Relations_Classrooms FOREIGN KEY (Classroom_id) REFERENCES Classrooms(Id_classroom) );
```

[ Editar en línea ] [ Editar ] [ Crear código PHP ]

✔ 6 filas insertadas.

La Id de la fila insertada es: 6 (La consulta tardó 0,0012 segundos.)

```
INSERT INTO Courses(Subject) VALUES('Formation_training'),('Informatic_system_programation'),('Support_people_risk_social_exclusion'),('Sound_image'),('Cooking_restoration'),('Sport_animation');
```

[ Editar en línea ] [ Editar ] [ Crear código PHP ]

✔ 5 filas insertadas.

La Id de la fila insertada es: 5 (La consulta tardó 0,0006 segundos.)

```
INSERT INTO Teachers(Name,Surname) VALUES('Hadriel','Quintero'),('Abián','Mejías'),('Diego','Lozano'),('Gabriel','Gordillo'),('Álvaro','Doblado');
```

[ Editar en línea ] [ Editar ] [ Crear código PHP ]

✔ 6 filas insertadas.

La Id de la fila insertada es: 6 (La consulta tardó 0,0022 segundos.)

```
INSERT INTO Classrooms(Rooms) VALUES('1.1-Informatic_room'),('1.2-Normal_room'),('1.3-Health_workshop_room'),('2.1-Image_workshop_room'),('2.2-Restaurant_workshop_room'),('2.3-Gym_room');
```

[ Editar en línea ] [ Editar ] [ Crear código PHP ]

✔ 6 filas insertadas.

La Id de la fila insertada es: 6 (La consulta tardó 0,0020 segundos.)

```
INSERT INTO Relations(Course_id,Teacher_id,Classroom_id) VALUES(2,1,1),(1,2,3),(3,3,3),(4,4,4),(5,4,5),(6,5,6);
```

[ Editar en línea ] [ Editar ] [ Crear código PHP ]

```
CREATE DATABASE Actividad8;
```

```
USE Actividad8;
```

```
CREATE TABLE Courses(  
  Id_course INT PRIMARY KEY AUTO_INCREMENT,  
  Subject ENUM('Formation_training','Informatic_system_programation',  
'Support_people_risk_social_exclusion',  
'Sound_image','Cooking_restoration','Sport_animation')  
);
```

```
CREATE TABLE Teachers(  
  Id_teacher INT PRIMARY KEY AUTO_INCREMENT,  
  Name VARCHAR(15) NOT NULL,  
  Surname VARCHAR(15) NOT NULL  
);
```

```
CREATE TABLE Classrooms(  
  Id_classroom INT PRIMARY KEY AUTO_INCREMENT,  
  Rooms ENUM('1.1-Informatic_room','1.2-Normal_room','1.3-  
Health_workshop_room','2.1-Image_workshop_room',  
, '2.2-Restaurant_workshop_room','2.3-Gym_room')  
);
```

```
CREATE TABLE Relations(  
  Id_relation INT PRIMARY KEY AUTO_INCREMENT,  
  Course_id INT NOT NULL,  
  Teacher_id INT NOT NULL,  
  Classroom_id INT NOT NULL,  
  CONSTRAINT FK_Relations_Courses FOREIGN KEY (Course_id)  
  REFERENCES Courses(Id_course),  
  CONSTRAINT FK_Relations_Teachers FOREIGN KEY (Teacher_id)  
  REFERENCES Teachers(Id_teacher),  
  CONSTRAINT FK_Relations_Classrooms FOREIGN KEY (Classroom_id)  
  REFERENCES Classrooms(Id_classroom)  
);
```

```
INSERT INTO Courses(Subject)  
VALUES('Formation_training'),('Informatic_system_programation'),  
( 'Support_people_risk_social_exclusion'),('Sound_image'),('Cooking_restoration'),  
( 'Sport_animation');
```

```
INSERT INTO Teachers(Name,Surname)  
VALUES('Hadriel','Quintero'),('Abián','Mejías'),('Diego','Lozano'),  
( 'Gabriel','Gordillo'),('Álvaro','Doblado');
```

```
INSERT INTO Classrooms(Rooms)  
VALUES('1.1-Informatic_room'),('1.2-Normal_room'),('1.3-Health_workshop_room'),  
( '2.1-Image_workshop_room'),('2.2-Restaurant_workshop_room'),('2.3-Gym_room');
```

```
INSERT INTO Relations(Course_id,Teacher_id,Classroom_id)
VALUES(2,1,1),(1,2,3),(3,3,3),(4,4,4),(5,4,5),(6,5,6);
```

```
/*All the relations with his respective info*/
SELECT Subject,Id_teacher,Name,Surname,Rooms,Id_relation FROM Relations
JOIN Courses ON Id_course = Course_id
JOIN Teachers ON Id_teacher = Teacher_id
JOIN Classrooms ON Id_classroom = Classroom_id
```

✓ Mostrando filas 0 - 5 (total de 6, La consulta tardó 0,0003 segundos.)

```
SELECT Subject,Id_teacher,Name,Surname,Rooms,Id_relation FROM Relations JOIN Courses ON Id_course = Course_id JOIN Teachers ON Id_teacher = Teacher_id JOIN Classrooms ON Id_classroom = Classroom_id;
```

☐ Perfilando [ [Editar en línea](#) ] [ [Editar](#) ] [ [Explicar SQL](#) ] [ [Crear código PHP](#) ] [ [Actualizar](#) ]

☐ Mostrar todo | Número de filas: 25 ▼ | Filtrar filas:  | Ordenar según la clave: Ninguna ▼

Opciones extra

Subject	Id_teacher	Name	Surname	Rooms	Id_relation
Informatic_system_programation	1	Hadriel	Quintero	1.1-Informatic_room	1
Formation_training	2	Abián	Mejias	1.3-Health_workshop_room	2
Support_people_risk_social_exclusion	3	Diego	Lozano	1.3-Health_workshop_room	3
Sound_image	4	Gabriel	Gordillo	2.1-Image_workshop_room	4
Cooking_restoration	4	Gabriel	Gordillo	2.2-Restaurant_workshop_room	5
Sport_animation	5	Álvaro	Doblado	2.3-Gym_room	6