

Ejercicio 7 – Horarios

Código SQL

```
CREATE TABLE profesor (  
    nombre VARCHAR(40),  
    departamento VARCHAR(20),  
    PRIMARY KEY (nombre)  
) ENGINE = INNODB;
```

```
CREATE TABLE aula (  
    numaula INT,  
    capacidad INT,  
    PRIMARY KEY (numaula)  
) ENGINE = INNODB;
```

```
CREATE TABLE aula_informatica (  
    numaula INT,  
    numordenadores INT,  
    PRIMARY KEY (numaula),  
    INDEX (numaula),  
    FOREIGN KEY (numaula) REFERENCES aula (numaula) ON UPDATE CASCADE ON  
    DELETE RESTRICT  
) ENGINE = INNODB;
```

```
CREATE TABLE aula_con_pizarra (  
    numaula INT,  
    PRIMARY KEY (numaula),  
    INDEX (numaula),  
    FOREIGN KEY (numaula) REFERENCES aula (numaula) ON UPDATE CASCADE ON  
    DELETE RESTRICT  
) ENGINE = INNODB;
```

```

CREATE TABLE pizarra (
    numaula INT,
    ancho DECIMAL(5,2),
    alto DECIMAL(5,2),
    PRIMARY KEY (numaula),
    INDEX (numaula),
    FOREIGN KEY (numaula) REFERENCES aula_con_pizarra (numaula) ON UPDATE
    CASCADE ON DELETE RESTRICT
) ENGINE = INNODB;

```

```

CREATE TABLE asignatura (
    nombre VARCHAR(25),
    cuatrimestre INT,
    numaula INT,
    nomprofesor VARCHAR(40) NOT NULL,
    PRIMARY KEY (nombre),
    INDEX (numaula),
    FOREIGN KEY (numaula) REFERENCES aula (numaula) ON UPDATE CASCADE ON
    DELETE RESTRICT,
    INDEX (nomprofesor),
    FOREIGN KEY (nomprofesor) REFERENCES profesor (nombre) ON UPDATE CASCADE ON
    DELETE RESTRICT
) ENGINE = INNODB;

```

Estructura de la BD

