

# Ejercicio 8 – Páginas Web

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## Código SQL

```
CREATE TABLE sitio (  
    ip VARCHAR(15),  
    direccion VARCHAR(50) UNIQUE,  
    PRIMARY KEY (ip)  
) ENGINE = INNODB;
```

```
CREATE TABLE objeto_multimedia (  
    fichero VARCHAR(25),  
    tamaño DECIMAL(5,2),  
    extension VARCHAR(5),  
    PRIMARY KEY (fichero)  
) ENGINE = INNODB;
```

```
CREATE TABLE video (  
    fichero VARCHAR(25),  
    PRIMARY KEY (fichero),  
    INDEX (fichero),  
    FOREIGN KEY (fichero) REFERENCES objeto_multimedia (fichero) ON UPDATE CASCADE  
    ON DELETE RESTRICT  
) ENGINE = INNODB;
```

```
CREATE TABLE sonido (  
    fichero VARCHAR(25),  
    PRIMARY KEY (fichero),  
    INDEX (fichero),  
    FOREIGN KEY (fichero) REFERENCES objeto_multimedia (fichero) ON UPDATE CASCADE  
    ON DELETE RESTRICT  
) ENGINE = INNODB;
```

```
CREATE TABLE imagen (  
    fichero VARCHAR(25),  
    ancho INTEGER,  
    alto INTEGER,  
    PRIMARY KEY (fichero),  
    INDEX (fichero),  
    FOREIGN KEY (fichero) REFERENCES objeto_multimedia (fichero) ON UPDATE CASCADE  
    ON DELETE RESTRICT  
) ENGINE = INNODB;
```

```
CREATE TABLE pagina_web (  
    nombre VARCHAR(25),  
    fecUltimaModif DATE,  
    ipSitio VARCHAR(15),  
    PRIMARY KEY (nombre),  
    INDEX (ipSitio),  
    FOREIGN KEY (ipSitio) REFERENCES sitio (ip) ON UPDATE CASCADE ON DELETE  
    RESTRICT  
) ENGINE = INNODB;
```

```
CREATE TABLE enlaza (  
    codigo INT UNSIGNED AUTO_INCREMENT,  
    nombreOrigen VARCHAR(25),  
    nombreDestino VARCHAR(25),  
    PRIMARY KEY (codigo),  
    INDEX (nombreOrigen),  
    FOREIGN KEY (nombreOrigen) REFERENCES pagina_web (nombre) ON UPDATE  
    CASCADE ON DELETE RESTRICT,  
    INDEX (nombreDestino),  
    FOREIGN KEY (nombreDestino) REFERENCES pagina_web (nombre) ON UPDATE  
    CASCADE ON DELETE RESTRICT  
) ENGINE = INNODB;
```

```

CREATE TABLE contiene (
    codigo INT UNSIGNED AUTO_INCREMENT,
    nombreWeb VARCHAR(25),
    ficheroMultimedia VARCHAR(25),
    PRIMARY KEY (codigo),
    INDEX (nombreWeb),
    FOREIGN KEY (nombreWeb) REFERENCES pagina_web (nombre) ON UPDATE CASCADE
    ON DELETE RESTRICT,
    INDEX (ficheroMultimedia),
    FOREIGN KEY (ficheroMultimedia) REFERENCES objeto_multimedia (fichero) ON UPDATE
    CASCADE ON DELETE RESTRICT
) ENGINE = INNODB;

```

## Estructura de la BD

