**Ejercicio 8 – Páginas Web**

**Código SQL**

CREATE TABLE sitio (

ip VARCHAR(15),

direccion VARCHAR(50) UNIQUE,

PRIMARY KEY (ip)

) ENGINE = INNODB;

CREATE TABLE objeto\_multimedia (

fichero VARCHAR(25),

tamano 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**

