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-- SQL som DDL 'Crash Course'
-- Tue Sep 18 14:10:47 2001 -- Lars Jacobsen

-- Opret ny tabel
CREATE TABLE Students (sid      CHAR(20),
                        name     CHAR(30),
                        login    CHAR(20),
                        age      INTEGER,
                        gpa      REAL);

-- Tilføj tupler til tabellen
INSERT INTO Students (sid, name, login, age, gpa)
VALUES      (50000, 'Dave', 'dave@cs', 19, 3.2);

-- Vi kan undvære skemaet
INSERT INTO Students
VALUES      (53666, 'Jones', 'jones@cs', 18, 3.3);

INSERT INTO Students (sid, name, login, age, gpa)
VALUES      (53688, 'Smith', 'smith@ee', 18, 3.2);
INSERT INTO Students (sid, name, login, age, gpa)
VALUES      (53650, 'Smith', 'smith@math', 19, 3.7);
INSERT INTO Students (sid, name, login, age, gpa)
VALUES      (53831, 'Madayan', 'madayan@music', 11, 1.8);
INSERT INTO Students (sid, name, login, age, gpa)
VALUES      (53832, 'Guldu', 'guldu@music', 12, 2.0);

-- Se hele relationen
SELECT *
FROM Students;

-- Generel forespørgsel
SELECT S.age, S.gpa
FROM   Students S
WHERE  S.name='Smith';

-- Slet tupler
DELETE
FROM   Students
WHERE  name = 'Smith';

-- Opdater tupler
UPDATE Students
SET    age = age + 1, gpa = gpa - 1
WHERE  sid = '53832';

-- Opdater tupler
UPDATE Students
SET    login = NULL
WHERE  age < 18;

-- Se hele relationen
SELECT *
FROM Students;

-- Fjern tabellen igen
DROP TABLE Students;

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