# SQL-Script

**Script til oprettelse af database samt tabeller**

CREATE DATABASE taskz;

use taskz;

CREATE TABLE projects(

project\_id INT NOT NULL UNIQUE AUTO\_INCREMENT,

project\_name VARCHAR(255) NOT NULL UNIQUE,

project\_startDate DATE NOT NULL,

deadline DATE NOT NULL,

workload\_per\_day VARCHAR(20),

project\_estimated\_time DOUBLE,

project\_completed\_time DOUBLE,

PRIMARY KEY (project\_id)

);

CREATE TABLE subprojects(

subproject\_id INT NOT NULL UNIQUE AUTO\_INCREMENT,

subproject\_name VARCHAR(255) NOT NULL,

project\_id INT NOT NULL,

subproject\_estimated\_time DOUBLE,

subproject\_startDate DATE NOT NULL,

subproject\_deadline DATE NOT NULL,

subproject\_workload\_per\_day VARCHAR(45),

subproject\_completed\_time DOUBLE,

PRIMARY KEY (subproject\_id),

FOREIGN KEY (project\_id) REFERENCES projects(project\_id)

ON UPDATE CASCADE

ON DELETE CASCADE

);

CREATE TABLE jobtitles(

jobtitle\_id INT NOT NULL UNIQUE,

jobtitle\_description VARCHAR(45) NOT NULL UNIQUE,

PRIMARY KEY (jobtitle\_id) );

CREATE TABLE members(

member\_id INT NOT NULL UNIQUE AUTO\_INCREMENT,

email VARCHAR(255) NOT NULL UNIQUE,

password VARCHAR(255) NOT NULL,

first\_name VARCHAR(255) NOT NULL UNIQUE,

last\_name VARCHAR(255) NOT NULL,

jobtitle\_id INT,

PRIMARY KEY(member\_id),

FOREIGN KEY (jobtitle\_id) REFERENCES jobtitles(jobtitle\_id)

ON UPDATE CASCADE

ON DELETE CASCADE );

CREATE TABLE skills(

skill\_id INT NOT NULL,

skill\_description VARCHAR(45) NOT NULL UNIQUE,

PRIMARY KEY (skill\_description) );

CREATE TABLE tasks(

task\_id INT NOT NULL UNIQUE AUTO\_INCREMENT,

subproject\_id INT NOT NULL,

task\_name VARCHAR(255) NOT NULL,

priority INT NOT NULL,

complexity INT NOT NULL,

task\_deadline DATE NOT NULL,

task\_estimated\_time DOUBLE NOT NULL,

status INT NOT NULL,

member VARCHAR(255) NOT NULL,

skill\_description VARCHAR(45) NOT NULL,

is\_difficult TINYINT(2) DEFAULT '0',

PRIMARY KEY (task\_ID),

FOREIGN KEY (subproject\_id) REFERENCES subprojects(subproject\_id)

ON UPDATE CASCADE

ON DELETE CASCADE,

FOREIGN KEY (skill\_description) REFERENCES skills(skill\_description)

ON UPDATE CASCADE

ON DELETE CASCADE,

FOREIGN KEY (member) REFERENCES members(first\_name)

ON UPDATE CASCADE

ON DELETE CASCADE

);

CREATE TABLE competences(

competence\_id INT NOT NULL UNIQUE,

competence VARCHAR(45) NOT NULL UNIQUE,

PRIMARY KEY(competence\_id)

);

CREATE TABLE members\_competence(

membermember\_id INT,

competencecompetence\_id INT,

FOREIGN KEY (membermember\_id) REFERENCES members(member\_id),

FOREIGN KEY (competencecompetence\_id) REFERENCES competences(competence\_id)

ON UPDATE CASCADE

ON DELETE CASCADE

);

**Testdata til databasen**

INSERT INTO jobtitles VALUES (1, 'Junior Developer'),

(2, 'Senior Developer'),

(3, 'System Developer'),

(4, 'Developer'),

(5, 'Trainee');

INSERT INTO members (email, password, first\_name, last\_name, jobtitle\_id) values

('[nicklas@taskz.com](mailto:nicklas@taskz.com)', 1234, 'Nicklas', 'Frederiksen', 1),

('[marianne@taskz.com](mailto:marianne@taskz.com)', 1234, 'Marianne', 'Nielsen', 3),

('[kristoffer@taskz.com](mailto:kristoffer@taskz.com)', 1234, 'Kristoffer', 'Miklas', 2),

('[oskar@taskz.com](mailto:oskar@taskz.com)', 1234, 'Oskar', 'Tuska', 2);

INSERT INTO skills VALUES

(1, 'HTML'),

(2, 'JAVA'),

(3, 'CSS'),

(4, 'MySQL'),

(5, 'System Development');

INSERT INTO competences VALUES

(1, 'HTML'),

(2, 'JAVA'),

(3, 'CSS'),

(4, 'MySQL'),

(5, 'System Development');

INSERT INTO members\_competence VALUES

(2, 5),

(1, 2),

(1, 3),

(3, 4),

(4, 1),

(4, 5);