**МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ**

**НАЦІОНАЛЬНОМУ УНІВЕРСИТЕТІ “ЛЬВІВСЬКА ПОЛІТЕХНІКА”**

**Кафедра Системи штучного інтелекту**

**Лабораторна робота №2**

з дисципліни

«Організація баз даних та знань»

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DROP DATABASE EmploymentCenter;

CREATE DATABASE IF NOT EXISTS EmploymentCenter;

CREATE TABLE EmploymentCenter.employer(

employer\_id INTEGER UNSIGNED NOT NULL AUTO\_INCREMENT,

employer\_name TEXT NOT NULL,

mobile\_number CHAR(99) NOT NULL,

email CHAR(99) NOT NULL,

PRIMARY KEY (employer\_id)

);

CREATE TABLE EmploymentCenter.vacancies(

vacancies\_id INTEGER UNSIGNED NOT NULL AUTO\_INCREMENT,

employer\_id INTEGER UNSIGNED NOT NULL,

name\_of\_vacancy TEXT NOT NULL,

properties CHAR(99),

PRIMARY KEY (vacancies\_id),

CONSTRAINT employer\_role FOREIGN KEY (employer\_id) REFERENCES employer (employer\_id) ON DELETE NO ACTION ON UPDATE NO ACTION

);

CREATE TABLE EmploymentCenter.employee(

employee\_id INTEGER UNSIGNED NOT NULL AUTO\_INCREMENT,

person\_name CHAR(99) NOT NULL,

mobile\_number CHAR(10) NOT NULL,

secretary\_id INTEGER UNSIGNED NOT NULL,

email CHAR(100) NOT NULL,

time\_for\_work TIME NOT NULL,

PRIMARY KEY (employee\_id)

);

CREATE TABLE EmploymentCenter.document (

cv\_id INTEGER UNSIGNED NOT NULL AUTO\_INCREMENT,

employee\_id INTEGER UNSIGNED NOT NULL,

PRIMARY KEY(cv\_id),

CONSTRAINT employee\_role FOREIGN KEY (employee\_id) REFERENCES employee(employee\_id) ON DELETE NO ACTION ON UPDATE NO ACTION

);

CREATE TABLE EmploymentCenter.information(

information\_id INTEGER UNSIGNED NOT NULL AUTO\_INCREMENT,

name\_of\_institution CHAR(100) NOT NULL,

time\_of\_starting\_work TIME NOT NULL,

time\_of\_finishing\_work TIME NOT NULL,

cv\_id INTEGER UNSIGNED NOT NULL,

PRIMARY KEY (information\_id),

CONSTRAINT cv\_information FOREIGN KEY (cv\_id) REFERENCES document(cv\_id) ON DELETE NO ACTION ON UPDATE NO ACTION

);

CREATE TABLE EmploymentCenter.files (

files\_id INTEGER UNSIGNED NOT NULL,

link\_on\_files TEXT NOT NULL,

document\_id INTEGER UNSIGNED NOT NULL,

cv\_id INTEGER NOT NULL,

date\_of\_loading DATE NOT NULL,

CONSTRAINT cv\_files FOREIGN KEY (document\_id) REFERENCES information(information\_id) ON DELETE NO ACTION ON UPDATE NO ACTION

);

CREATE TABLE EmploymentCenter.secretary(

secretary\_id INTEGER UNSIGNED NOT NULL AUTO\_INCREMENT,

start\_time TIME NOT NULL,

finish\_time TIME NOT NULL,

employee\_id INTEGER UNSIGNED NOT NULL,

vacancies\_id INTEGER UNSIGNED NOT NULL,

result TEXT NOT NULL,

description\_of\_result TEXT NOT NULL,

PRIMARY KEY (secretary\_id),

CONSTRAINT employee\_information FOREIGN KEY (employee\_id) REFERENCES employee (employee\_id) ON DELETE NO ACTION ON UPDATE NO ACTION,

CONSTRAINT vacancies\_information FOREIGN KEY(vacancies\_id) REFERENCES vacancies (vacancies\_id) ON DELETE NO ACTION ON UPDATE NO ACTION

);

CREATE TABLE EmploymentCenter.TypeOfDocument(

passport\_copy BOOLEAN DEFAULT 0,

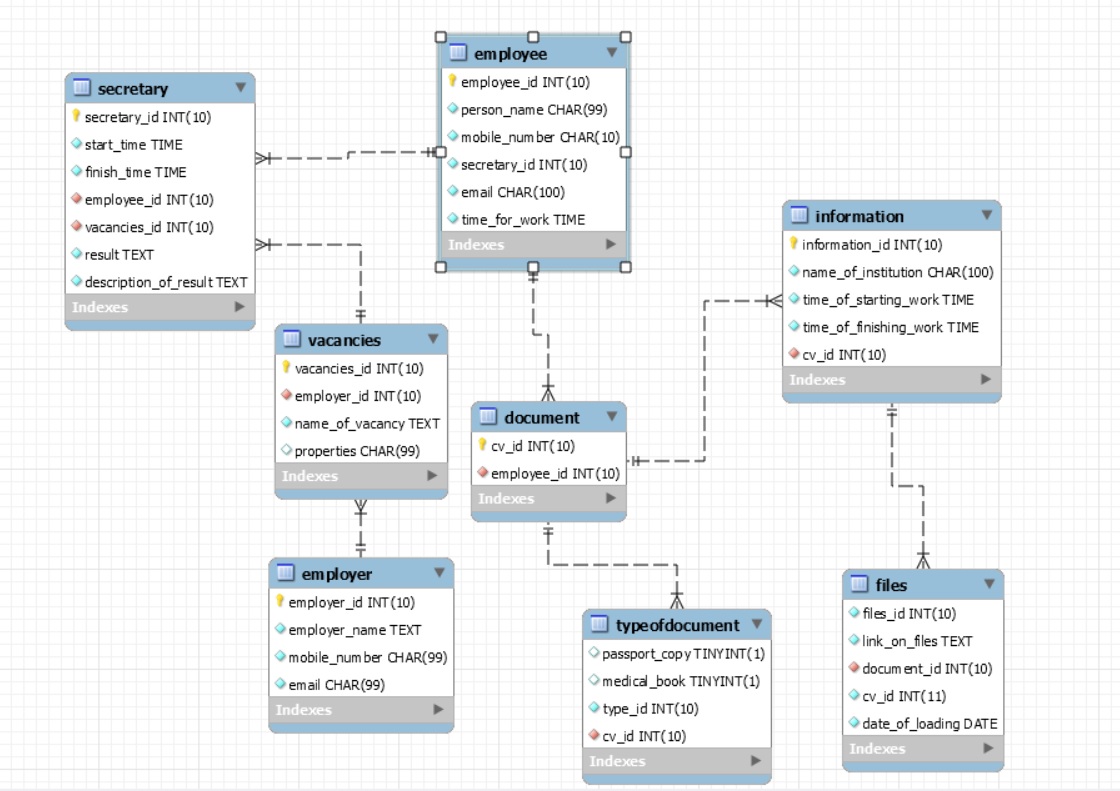
medical\_book BOOLEAN DEFAULT 0,

type\_id INTEGER UNSIGNED NOT NULL,

cv\_id INTEGER UNSIGNED NOT NULL,

CONSTRAINT cv\_documents FOREIGN KEY (cv\_id) REFERENCES document(cv\_id) ON DELETE NO ACTION ON UPDATE NO ACTION

);



**Висновок:** на цій лабораторній роботі було завершено моделювання і засобами SQL створено базу даних, що складається з семи таблиць.