Solutions for exercise 1

2.2 a)

```
CREATE TABLE patient (
    _id INT(10) UNSIGNED NOT NULL AUTO_INCREMENT,
    pn VARCHAR(11) DEFAULT NULL,
    first VARCHAR(15) DEFAULT NULL,
    last VARCHAR(25) DEFAULT NULL,
    dob DATE DEFAULT NULL,
    PRIMARY KEY (_id)
);
```

2.2 b)

```
CREATE TABLE insurance (
        _id INT(10) UNSIGNED NOT NULL AUTO_INCREMENT,
        patient_id INT(10) UNSIGNED NOT NULL,
        iname VARCHAR(40) DEFAULT NULL,
        from_date DATE DEFAULT NULL,
        to_date DATE DEFAULT NULL,
        PRIMARY KEY (_id),
        FOREIGN KEY (patient_id) REFERENCES patient(_id)
);
```

2.3 Populate tables with sample data – at least 5 records for patient table and 2 insurance records for each patient.

patient table:

```
INSERT INTO patient (pn, first, last, dob) VALUES
('00000000001', 'Kadri-Ketter', 'Kont', '2003-04-26'),
('00000000002', 'Riina', 'Röntgen', '1999-01-29'),
('00000000003', 'Peeter', 'Termomeeter', '1980-01-01'),
('00000000004', 'Mirko', 'Skoop', '2010-10-28'),
('00000000005', 'Aksel', 'Kapsel', '2005-07-22');
```

insurance table:

```
INSERT INTO insurance (patient_id, iname, from_date, to_date) VALUES
(1, 'Oopsie Daisy Insurance', '2024-01-01', '2024-06-30'),
(1, 'Maybe you just need a Snickers!', '2024-07-01', '2024-12-31'),
(2, 'Oopsie Daisy Insurance', '2024-02-01', '2024-07-31'),
(2, 'Maybe you just need a Snickers!', '2024-08-01', '2025-01-31'),
```

```
(3, 'Oopsie Daisy Insurance', '2024-03-01', '2024-08-31'),
(3, 'Maybe you just need a Snickers!', '2024-09-01', '2025-03-31'),
(4, 'Oopsie Daisy Insurance', '2024-04-01', '2024-09-30'),
(4, 'Maybe you just need a Snickers!', '2024-10-01', '2025-04-30'),
(5, 'Oopsie Daisy Insurance', '2024-05-01', '2024-10-31'),
(5, 'Maybe you just need a Snickers!', '2024-11-01', '2025-05-31');
```