Zaawansowane technologie bazodanowe Mikołaj Wielgos Lab7

Ćw. 1. Publikacja XML

```
CREATE TABLE
kompozycje (
    idkompozycji CHAR(5) NOT NULL,
    nazwa VARCHAR(40) NOT NULL,
    opis VARCHAR(100),
    cena NUMERIC(7, 2),
    minimum INTEGER,
    stan INTEGER
);
```

Ćw. 3. Przetwarzanie XML

```
chmod +x ./script.sh && ./script.sh >> printers.sql && psql -U postgres -a -f printers.sql
```

```
SELECT
    name,
    (xpath('//printer/mechanism/resolution/dpi/x/text()', description))[1] as
resolution
FROM printers;
```

```
SELECT
    name,
    (xpath('//printer/mechanism/resolution/dpi/x/text()', description))[1] as
resolution
FROM printers
ORDER BY (xpath('//printer/mechanism/resolution/dpi/x/text()',
description))[1]::text ASC;
```

```
SELECT
    name,
    (xpath('//printer/mechanism/resolution/dpi/x/text()', description))[1] as
resolution
FROM printers
ORDER BY CAST((xpath('//printer/mechanism/resolution/dpi/x/text()',
description))[1]::text AS INTEGER) ASC;
```

```
SELECT
    name
FROM printers
WHERE
    xpath_exists('//printer/mechanism/color', description)
    AND
    CAST((xpath('//printer/mechanism/resolution/dpi/x/text()', description))[1]::text AS INTEGER) > 1200;
```