

Practical 3 – Spatial Queries II

E-Learning

With the same data as we have it available in the database (userdemo schema):
<https://postgis.net/workshops/postgis-intro/index.html> see Chapters 11-18

Exercise

Based on the New York City sample data (in the userdemo schema), design (spatial) SQL queries to solve the following tasks. More details regarding the New York City sample data, please refer to https://postgis.net/workshops/postgis-intro/about_data.html

- a) What borough is the "Wall St" in?
- b) How many people live within 100 meters of the "Wall St" and how many of them are white?
- c) What is the longest street in NYC?
- d) How many census blocks are within the neighbourhood Soho?
- e) Which neighbourhoods touch the neighbourhood Soho?
- f) List all streets within 1000 m from "47th-50th Sts" subway station
- g) What is the WKT text (as in SRID 4326) of the boundary of the "West Village" neighbourhood?
- h) What is the length of all primary streets in New York, as measured in SRID 4326?