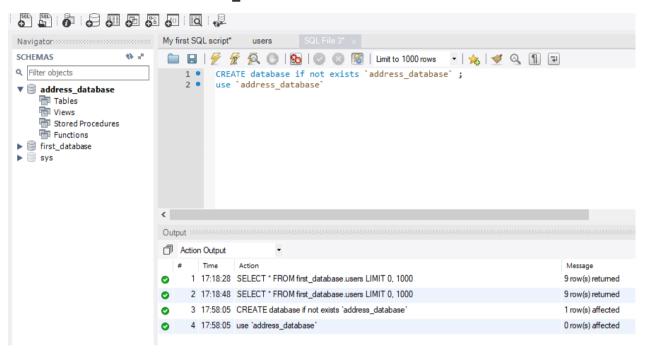
Homework: Databases

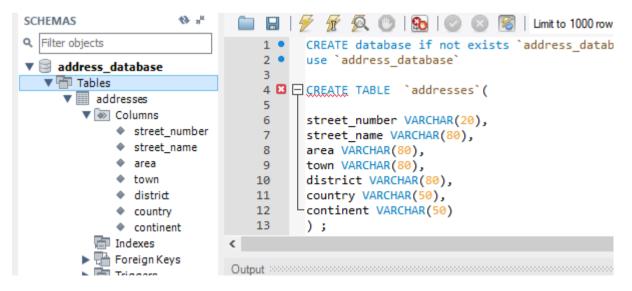
Problems for homework for the "Software Technologies" course @ Software University. Submit this document as your homework.

1. Address Database:

1. CREATE DATABASE named `address database` and USE it:



- 2. CREATE TABLE named 'addresses' with the following columns:
 - street number
 - street_name
 - area
 - town
 - district
 - country
 - continent





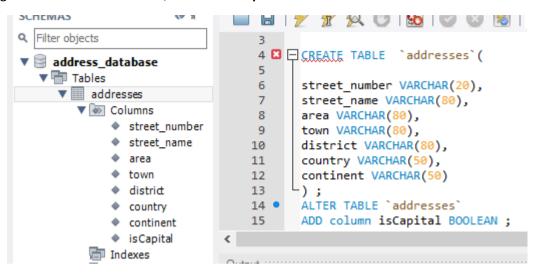








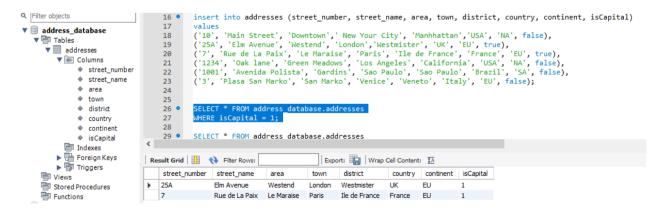
We forgot to add Boolean column, named `isCapital`:



3. INSERT records INTO the `address` table and execute the SQL query:

```
use `address database`
address_database
 ▼ 📅 Tables
                                                       4 ☑ □ CREATE TABLE `addresses`(
      ▼ ■ addresses
                                                                  street_number VARCHAR(20),
          ▼ 🐼 Columns
                                                                  street_name VARCHAR(80),
                                                                 area VARCHAR(80),
town VARCHAR(80),
                   street_name
                                                                 district VARCHAR(80), country VARCHAR(50),
                   area
                   ♦ town
                                                      10
                   district
                                                                  continent VARCHAR(50)
                   country
                                                      12
                                                                 -);
                                                                  ALTER TABLE `addresses
                   continent
                                                                 ADD column isCapital BOOLEAN;
                   14
              Indexes
                                                     16 •
                                                                 insert into addresses (street number, street name, area, town, district, country, continent, isCapital)
          ► Triggers
                                                                 values
('10', 'Main Street', 'Downtown',' New Your City', 'Manhhattan','USA', 'NA', false),
('25A', 'Elm Avenue', 'Westend', 'London','Westmister', 'UK', 'EU', true),
('7', 'Rue de La Paix', 'Le Maraise', 'Paris', 'Ile de France', 'France', 'EU', true),
('1234', 'Oak lane', 'Green Meadows', 'Los Angeles', 'California', 'USA', 'NA', false),
('13001', 'Avenida Polista', 'Gardins', 'Sao Paulo', 'Sao Paulo', 'Brazil', 'SA', false),
('3', 'Plasa San Marko', 'San Marko', 'Venice', 'Veneto', 'Italy', 'EU', false);
                                                     18
    Views
                                                     19
    Tored Procedures
    Functions
sys
```

- 4. Your task is to execute the proper queries in order to get the following results:
 - SELECT all addresses from the 'address' table that are located in a capital city.



SELECT all addresses from the 'address' table that are located in South America.



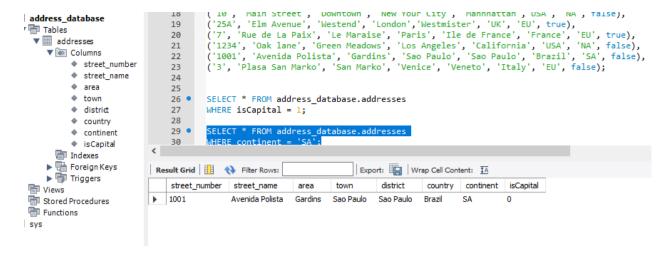




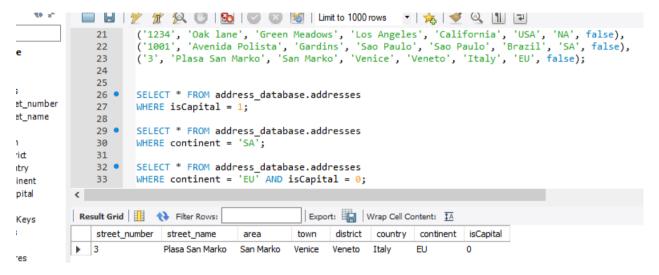








SELECT all addresses from the 'address' table that are located in Europe, but only in NON Capital cities.



Create gueries for each condition and place a screenshot after each guery















