Homework: Databases
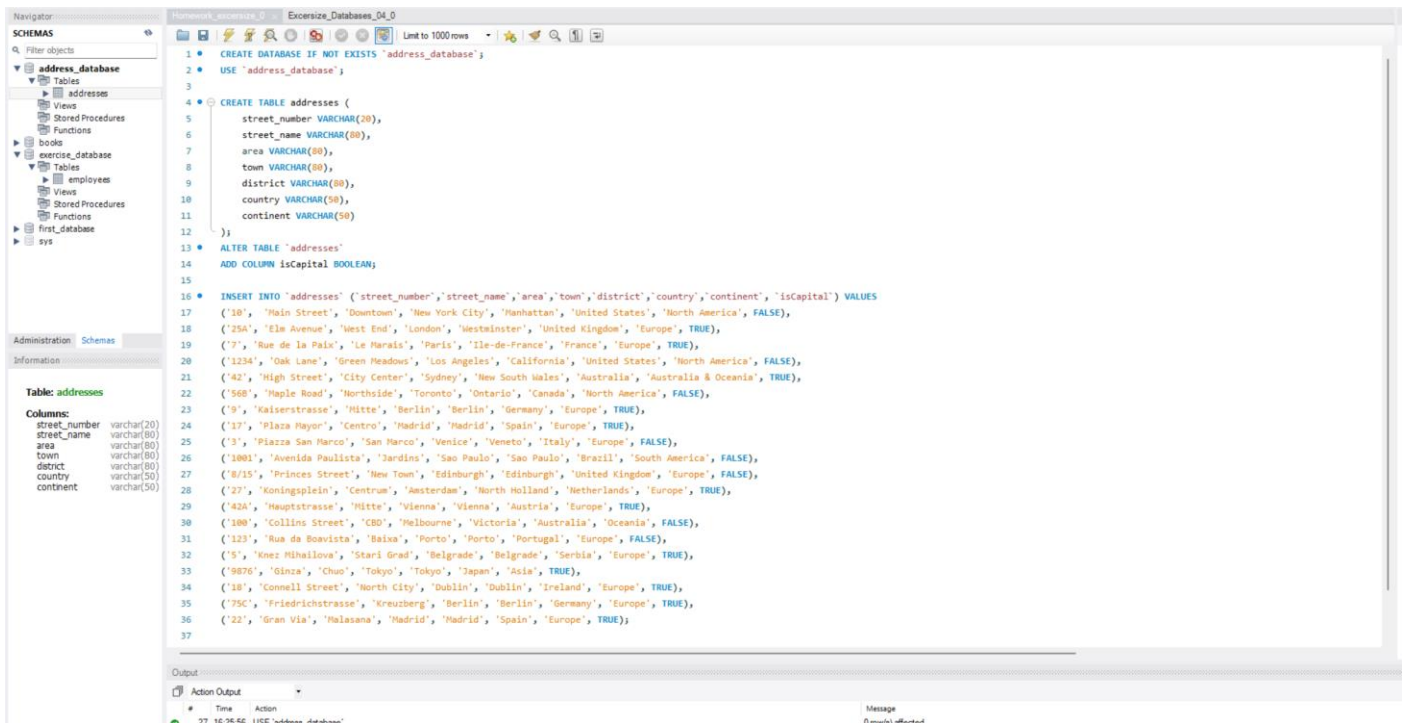
Problems for homework for the ["Software Technologies" course @ Software University.](#)
Submit this document as your homework.

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**

3. We forgot to **add Boolean column**, named `isCapital`:

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

Follow us:

5. 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.**

```sql
1 •  SELECT * FROM address_database.addresses WHERE isCapital IS TRUE;
```

street_number	street_name	area	town	district	country	continent	isCapital
25A	Elm Avenue	West End	London	Westminster	United Kingdom	Europe	1
7	Rue de la Paix	Le Marais	Paris	Ile-de-France	France	Europe	1
42	High Street	City Center	Sydney	New South Wales	Australia	Australia & Oceania	1
9	Kaiserstrasse	Mitte	Berlin	Berlin	Germany	Europe	1
17	Plaza Mayor	Centro	Madrid	Madrid	Spain	Europe	1
27	Koningsplein	Centrum	Amsterdam	North Holland	Netherlands	Europe	1
42A	Hauptstrasse	Mitte	Vienna	Vienna	Austria	Europe	1
5	Knez Mihailova	Stari Grad	Belgrade	Belgrade	Serbia	Europe	1
9876	Ginza	Chuo	Tokyo	Tokyo	Japan	Asia	1
18	Connell Street	North City	Dublin	Dublin	Ireland	Europe	1
75C	Friedrichstrasse	Kreuzberg	Berlin	Berlin	Germany	Europe	1
22	Gran Via	Malasana	Madrid	Madrid	Spain	Europe	1

Table: addresses

Columns:
- street_number varchar(20)
- street_name varchar(80)
- area varchar(80)
- town varchar(80)
- district varchar(80)
- country varchar(50)
- continent varchar(50)

- **SELECT all addresses from the `address` table that are located in South America.**

```sql
1 •  SELECT * FROM address_database.addresses WHERE continent LIKE 'South America';
```

street_number	street_name	area	town	district	country	continent	isCapital
1001	Avenida Paulista	Jardins	Sao Paulo	Sao Paulo	Brazil	South America	0

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

```sql
SELECT * FROM address_database.addresses WHERE continent LIKE 'Europe' AND isCapital IS FALSE;
```

street_number	street_name	area	town	district	country	continent	isCapital
3	Piazza San Marco	San Marco	Venice	Veneto	Italy	Europe	0
8/15	Princes Street	New Town	Edinburgh	Edinburgh	United Kingdom	Europe	0
123	Rua da Boavista	Baixa	Porto	Porto	Portugal	Europe	0

Table: addresses

Columns:

street_number	varchar(20)
street_name	varchar(80)
area	varchar(80)
town	varchar(80)
district	varchar(80)
country	varchar(50)
continent	varchar(50)

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