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Fernando Alberte García Vieites

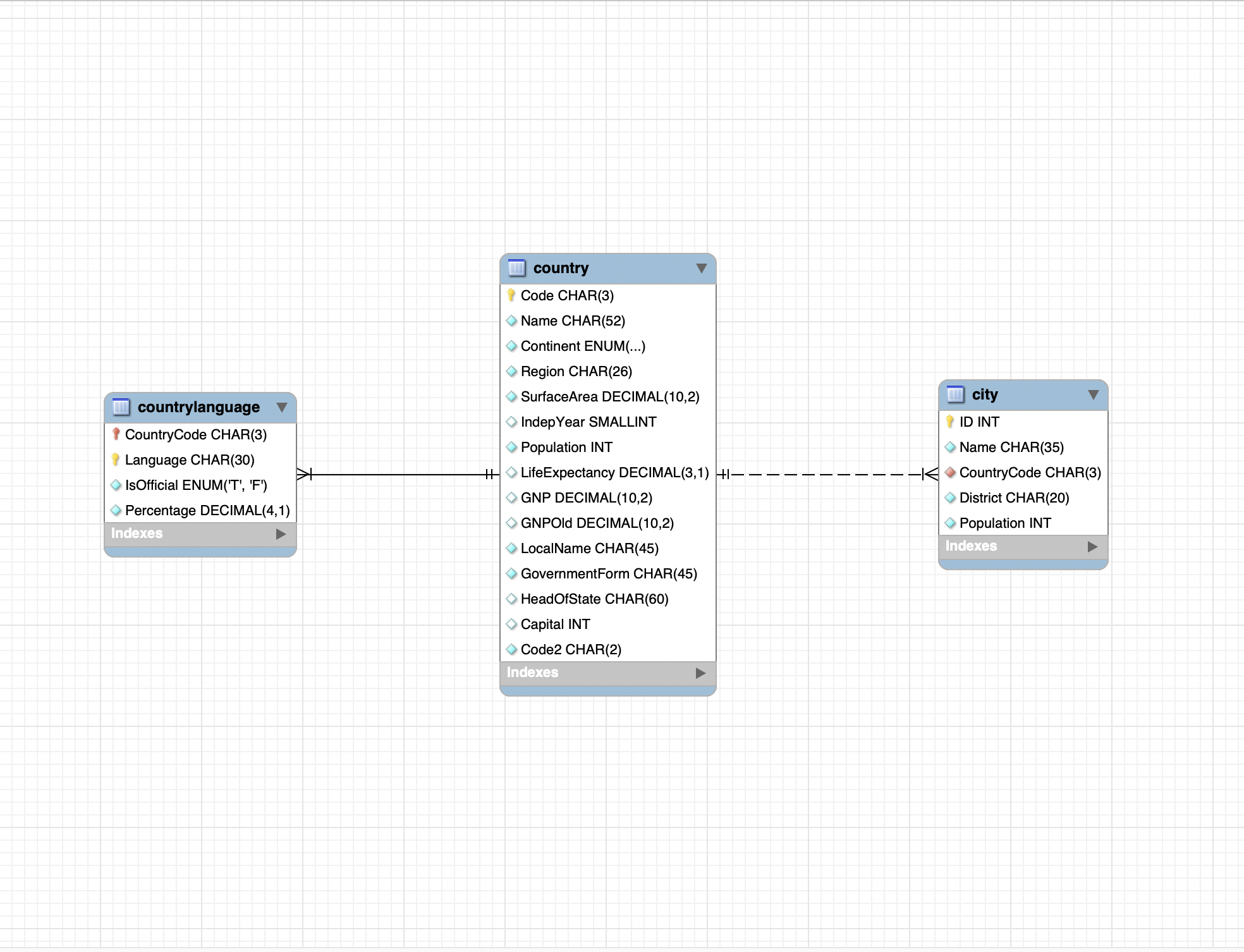
05-01-2024

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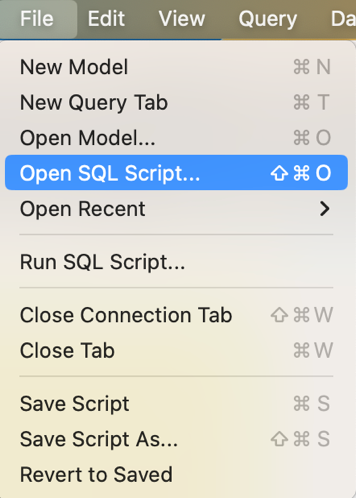
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**Database Diagram**

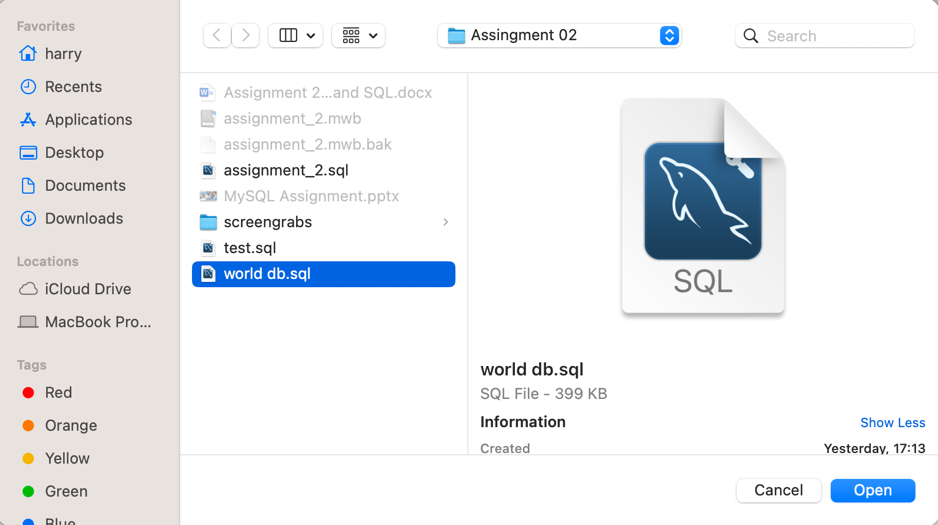
1. **country Table**
   * Primary Key: Code
   * Foreign Keys: There are no direct foreign keys in this table, but the Code field is used as a foreign key in other tables to establish a relationship with this one.
2. **city Table**
   * Primary Key: ID
   * Foreign Keys:
     + CountryCode: This foreign key refers to the Code field in the country table, establishing a relationship between a city and the country it belongs to.
3. **countrylanguage Table**
   * Primary Keys:
     + CountryCode
     + Language This table has a composite primary key, meaning the unique combination of CountryCode and Language uniquely identifies each row in the table.
   * Foreign Keys:
     + CountryCode: Similar to the city table, this foreign key refers to the Code field in the country table, linking the language to the corresponding country.

**Steps to create SQL script and Database Diagram**

* Open SQL script

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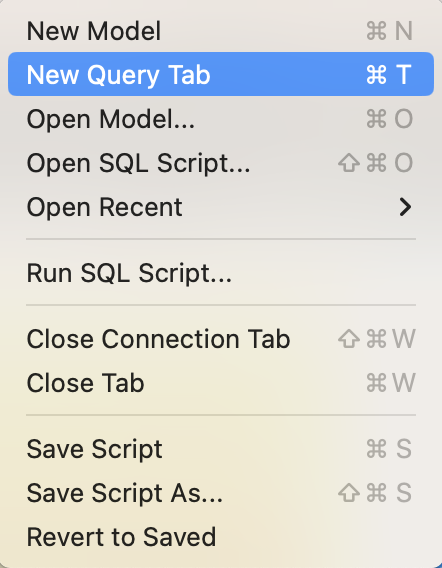
* Load SQL script

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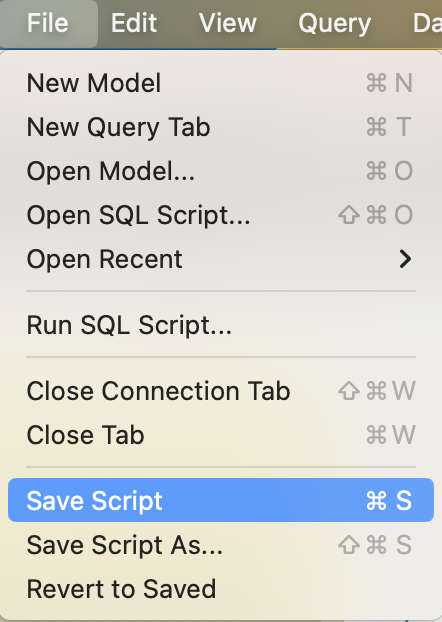
* Execute SQL script



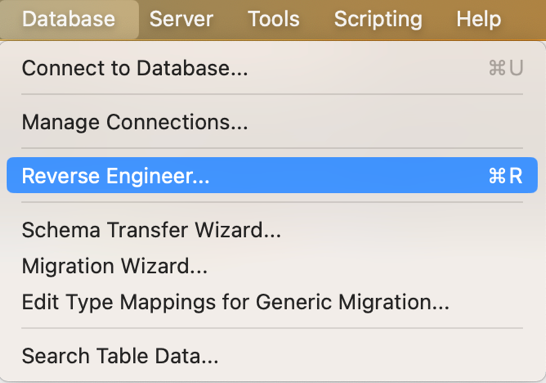
* Create new query tab



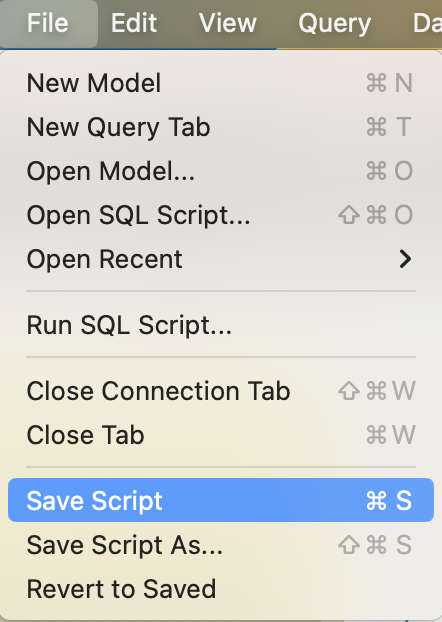
* Save SQL script



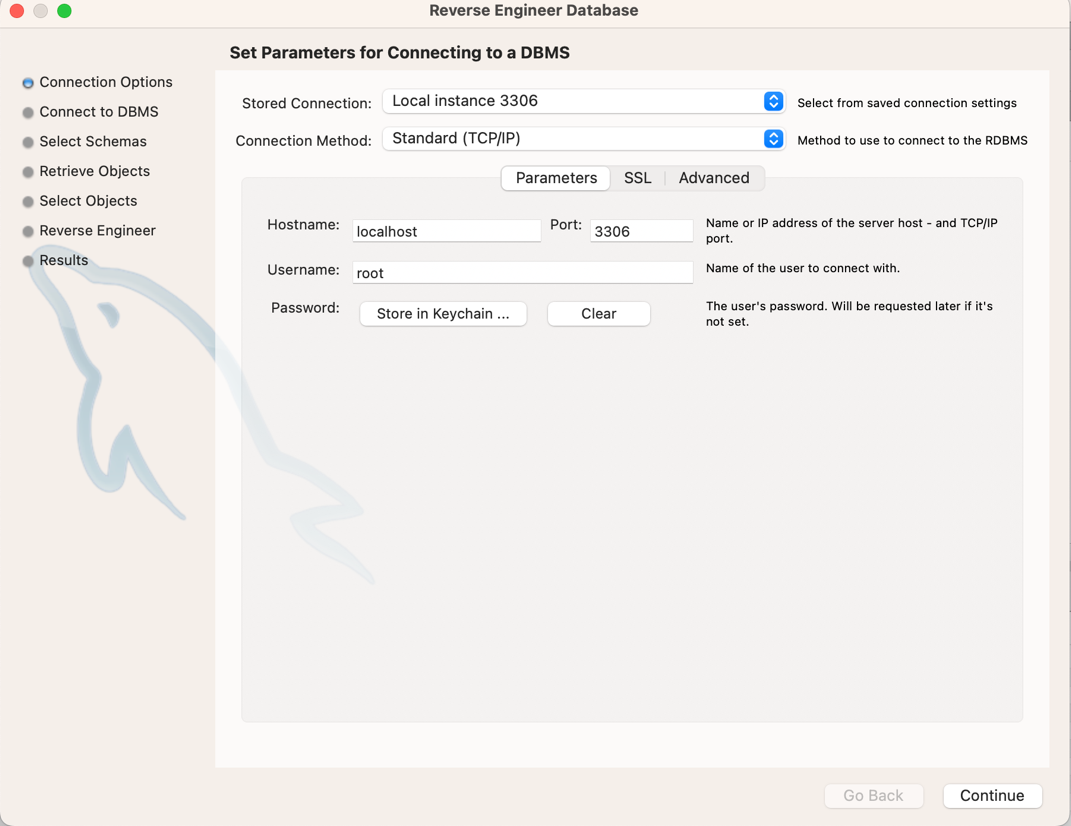
* Reverse Engineer to create a diagram



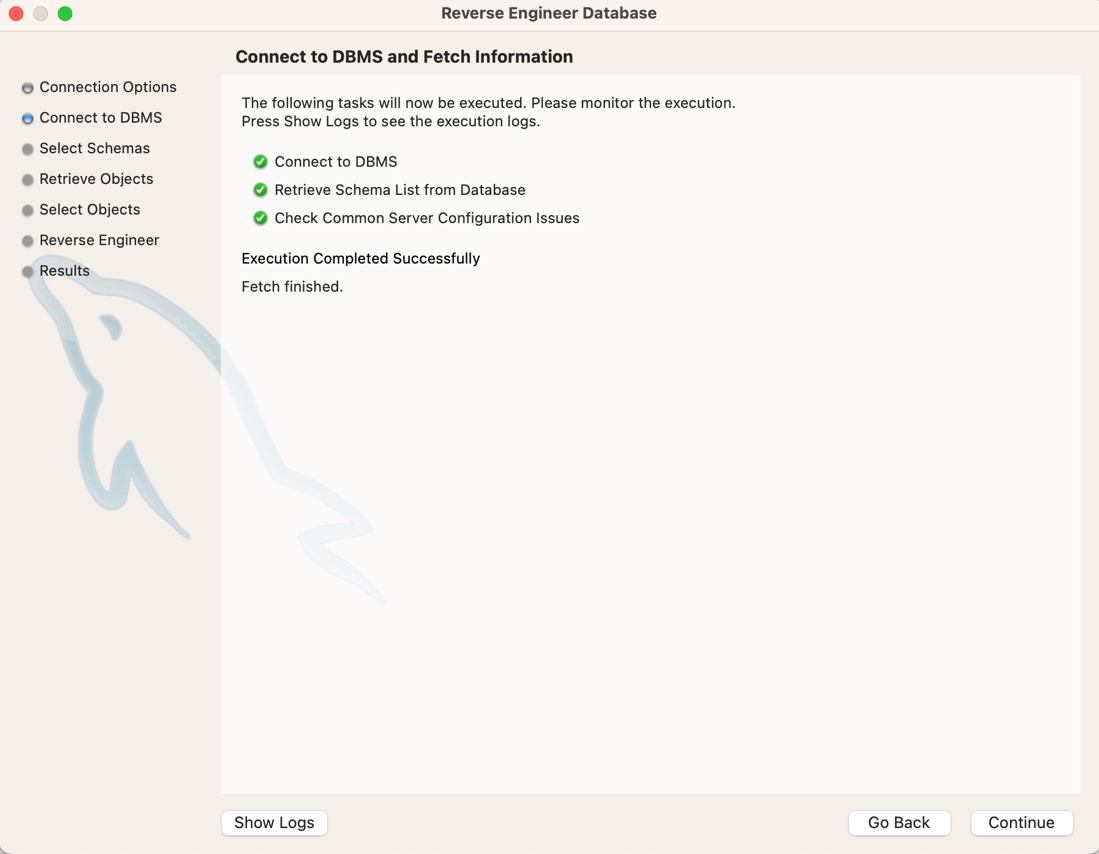
* Save SQL script



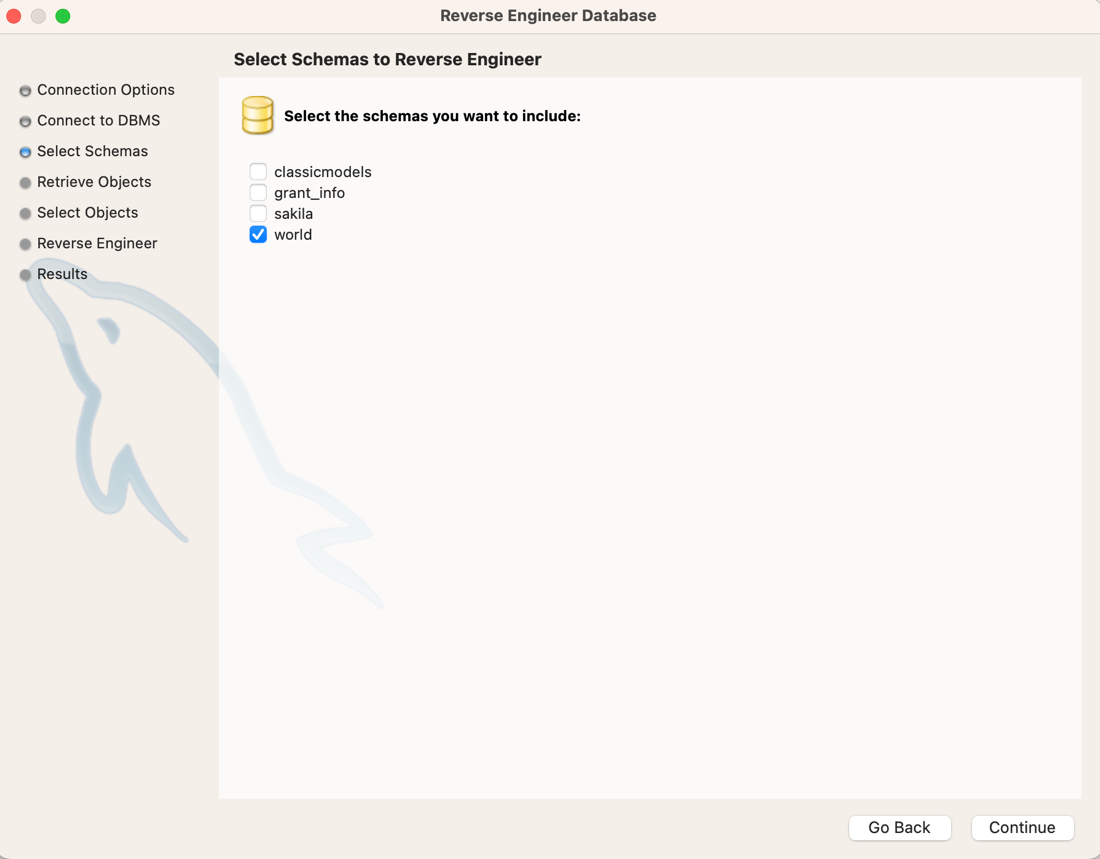
* Connections options ERR



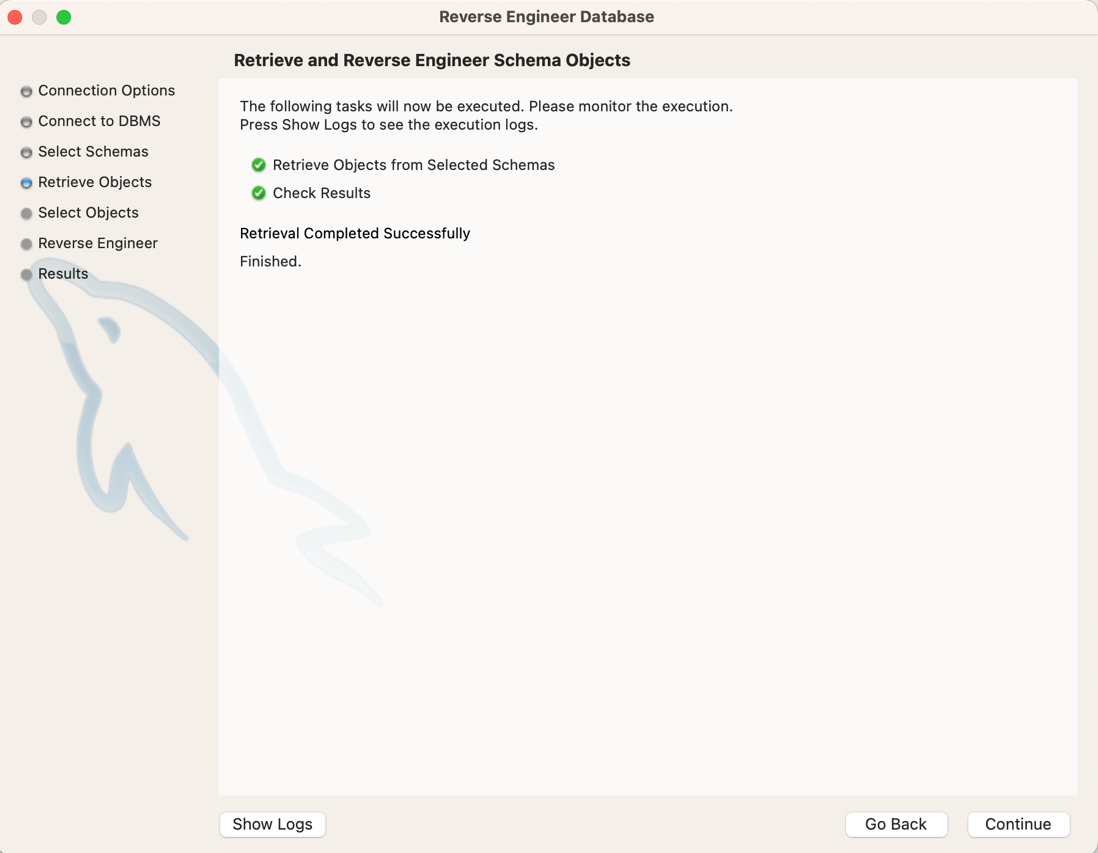
* Connect to DBMS



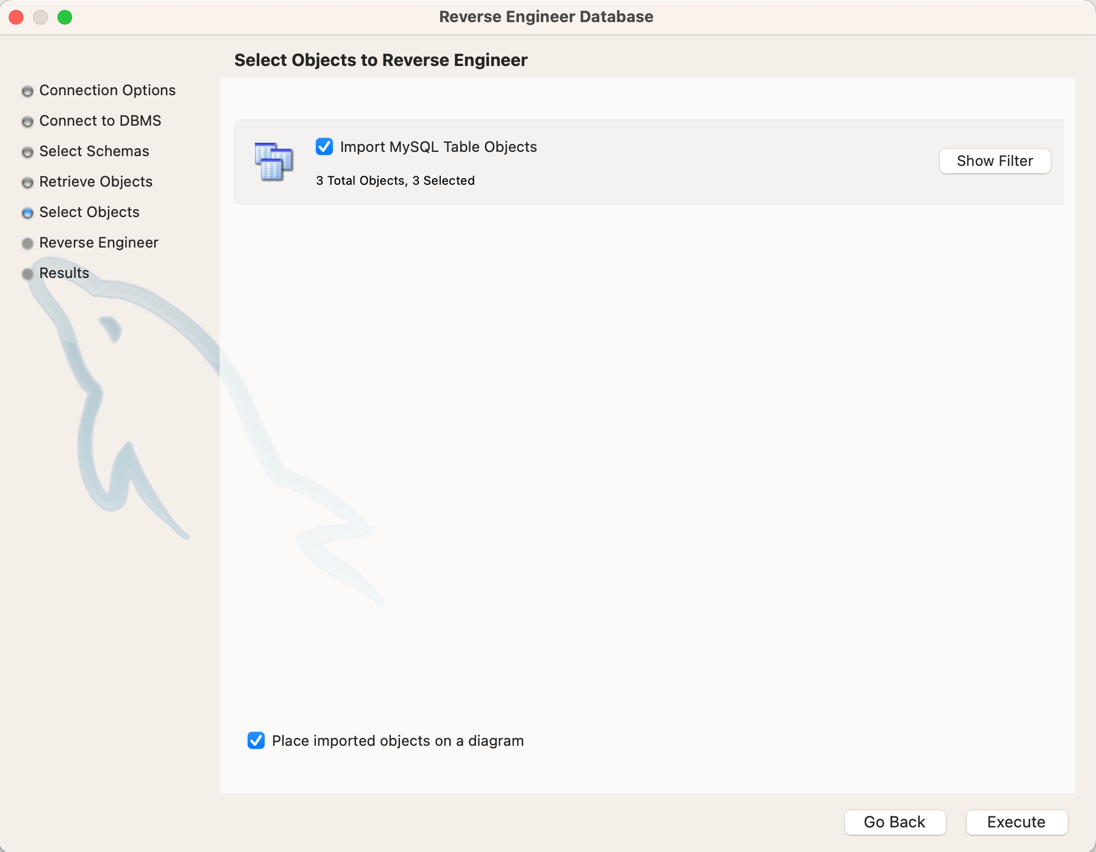
* Select Schemas



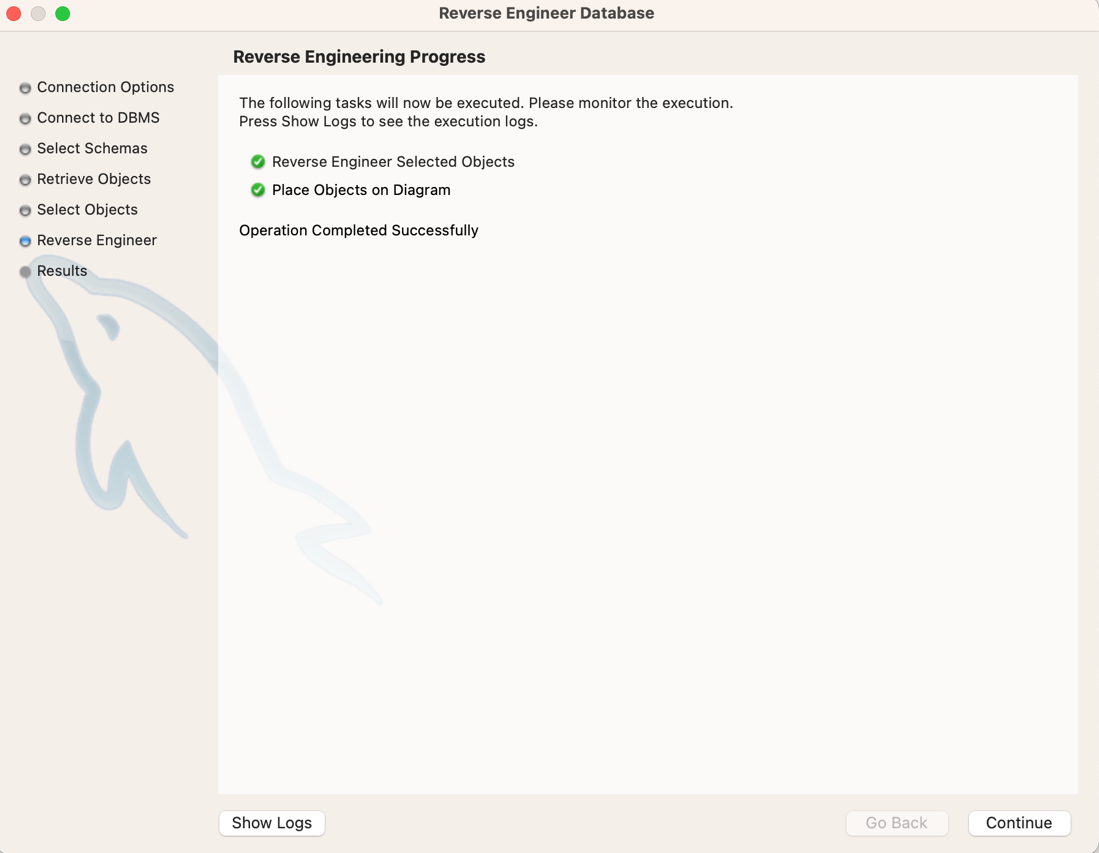
* Retrieve Objects



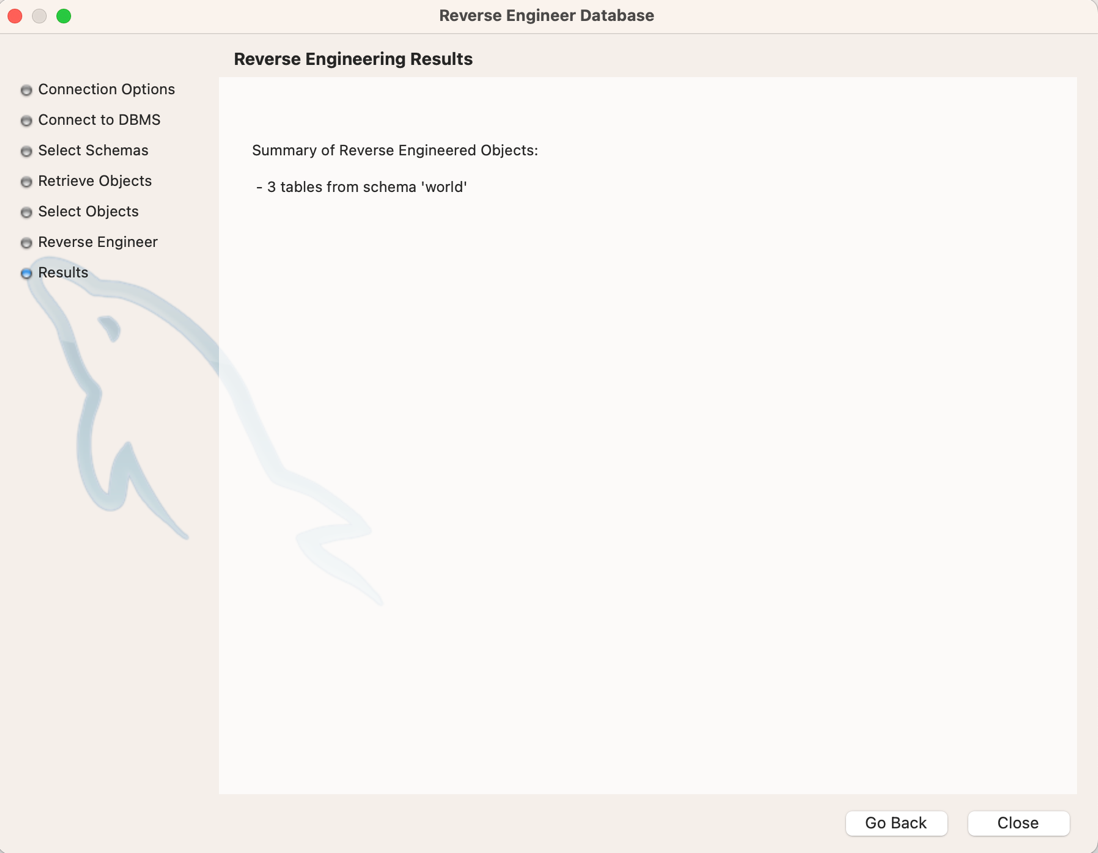
* Select Objects



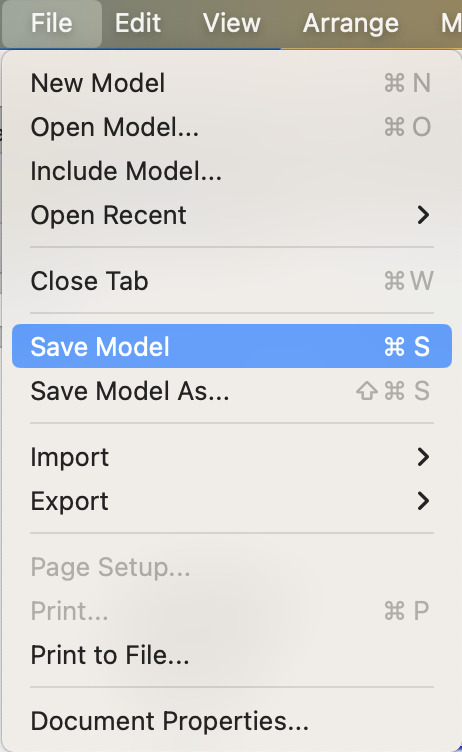
* Reverse Engineer



* Results



* Save model



**Task 13**

* Identify the primary key in country table.

Code

* Identify the primary key in city table.

ID

* Identify the primary key in countrylanguage table.

Language, CountryCode

* Identify the foreign key in city table.

CountryCode

* Identify the foreign key in countrylanguage table.

CountryCode

In this specific task, I was uncertain about which foreign key corresponds to the **countrylanguage** table. When reviewing the properties of this table, I noticed that **CountryCode** is listed as a primary key. I assume this is because, in the **country** table, the key is named **Code**.

