Introduction to Relational Databases

UNIVERSITY OF THE
PACIFIC
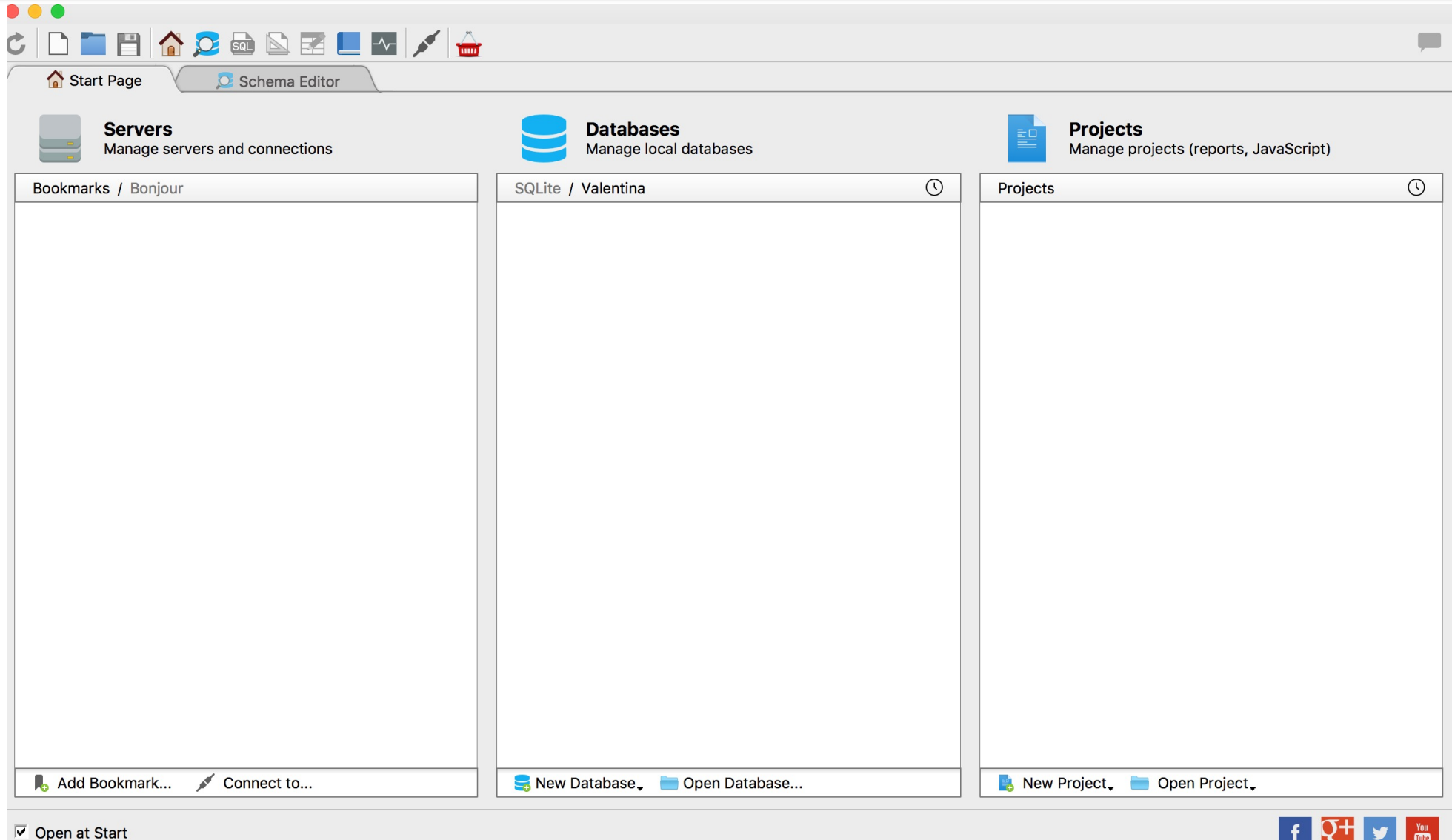
Valentino Software Installation and Database Access
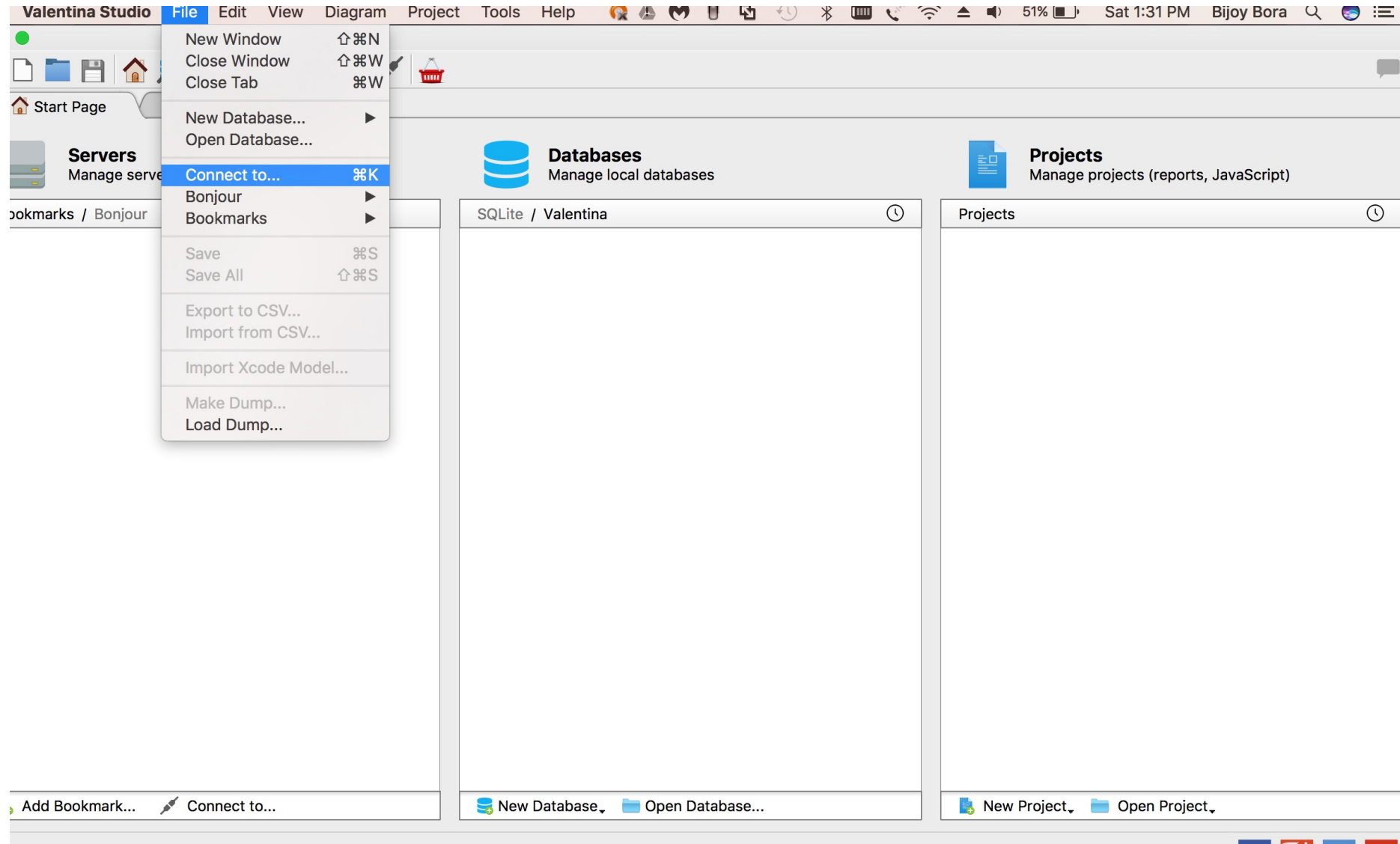Class Instructor: Bijoy Bora

Accessing PetStore Database

- The following slides steps through how to connect to the MSSQL database using the Valentino Software.

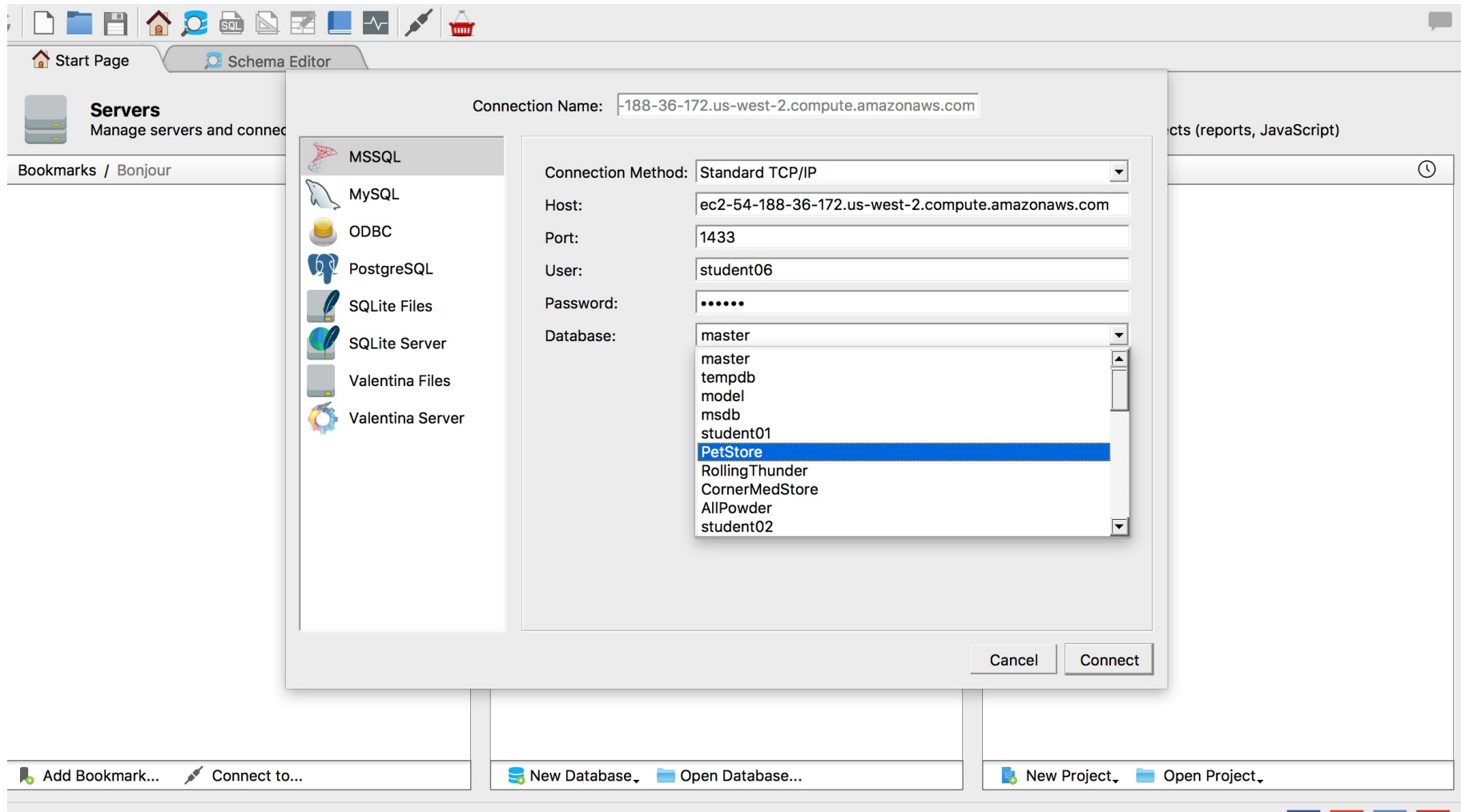- And shows the steps to query the first question of the Sample PetStore queries discussed in the class
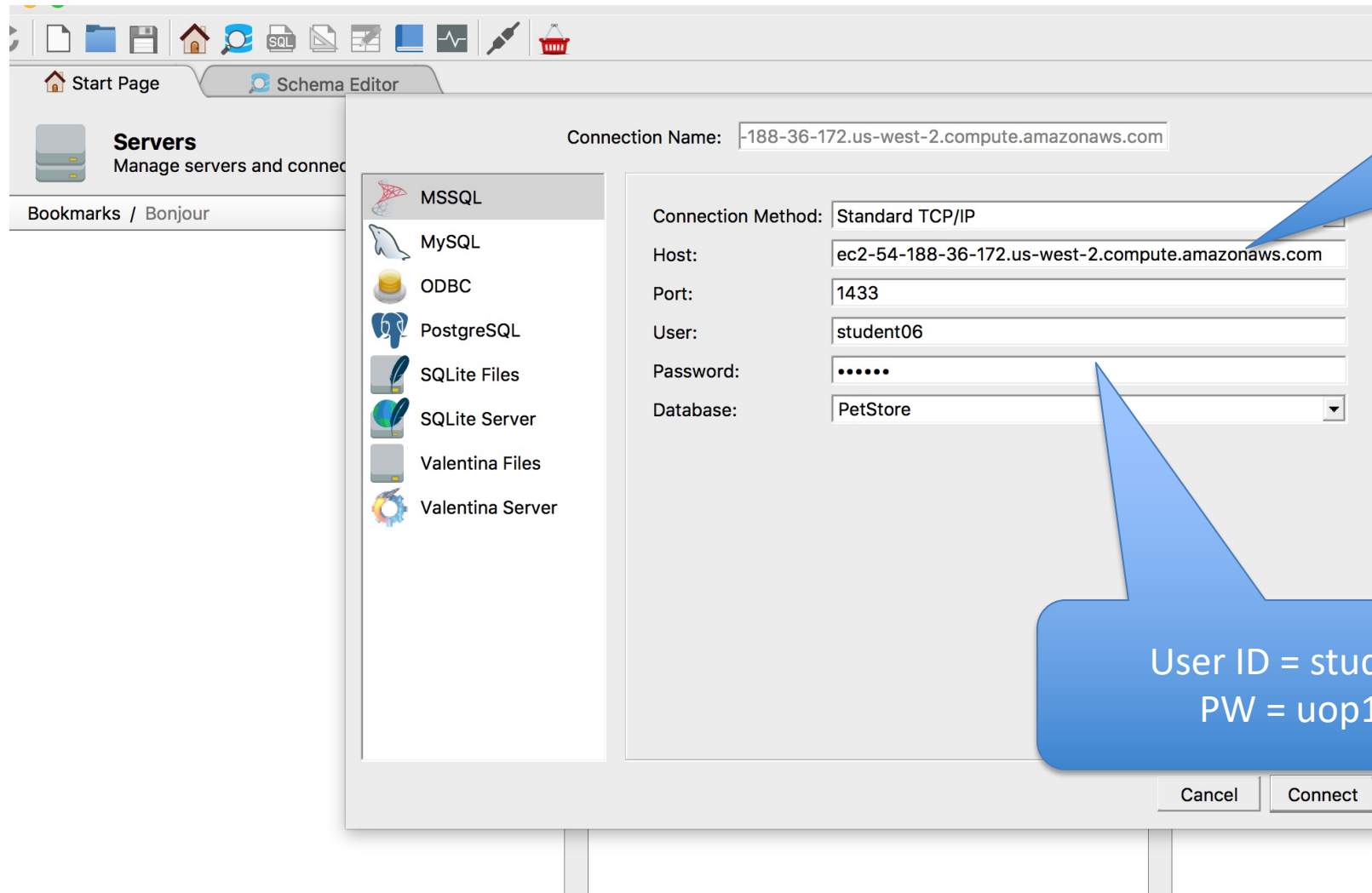
Open Valentino app

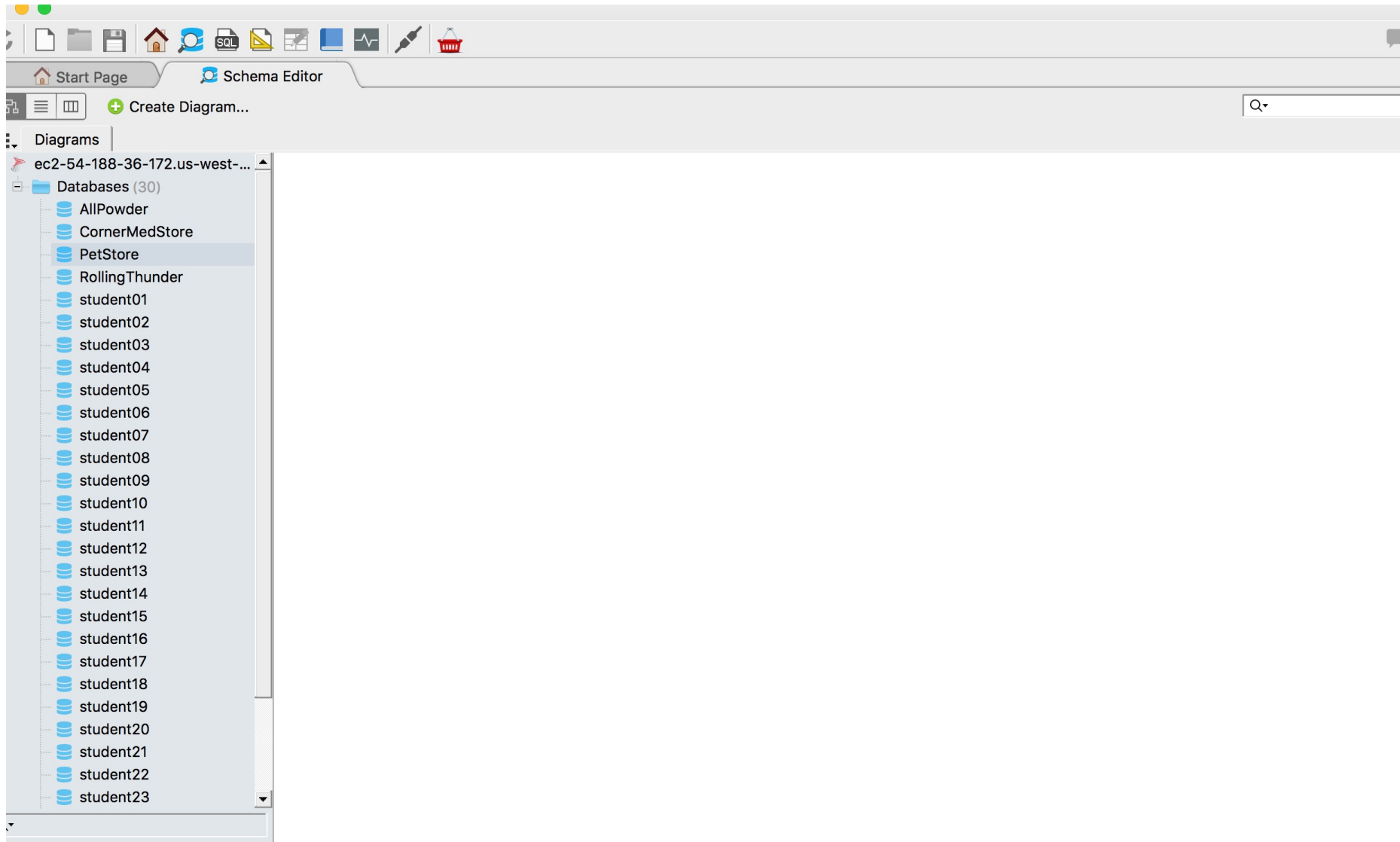# Connect to MSSQL

Enter connection details

Select 'PetStore' as database

Check 'PetStore' is in the list

Go to Tools
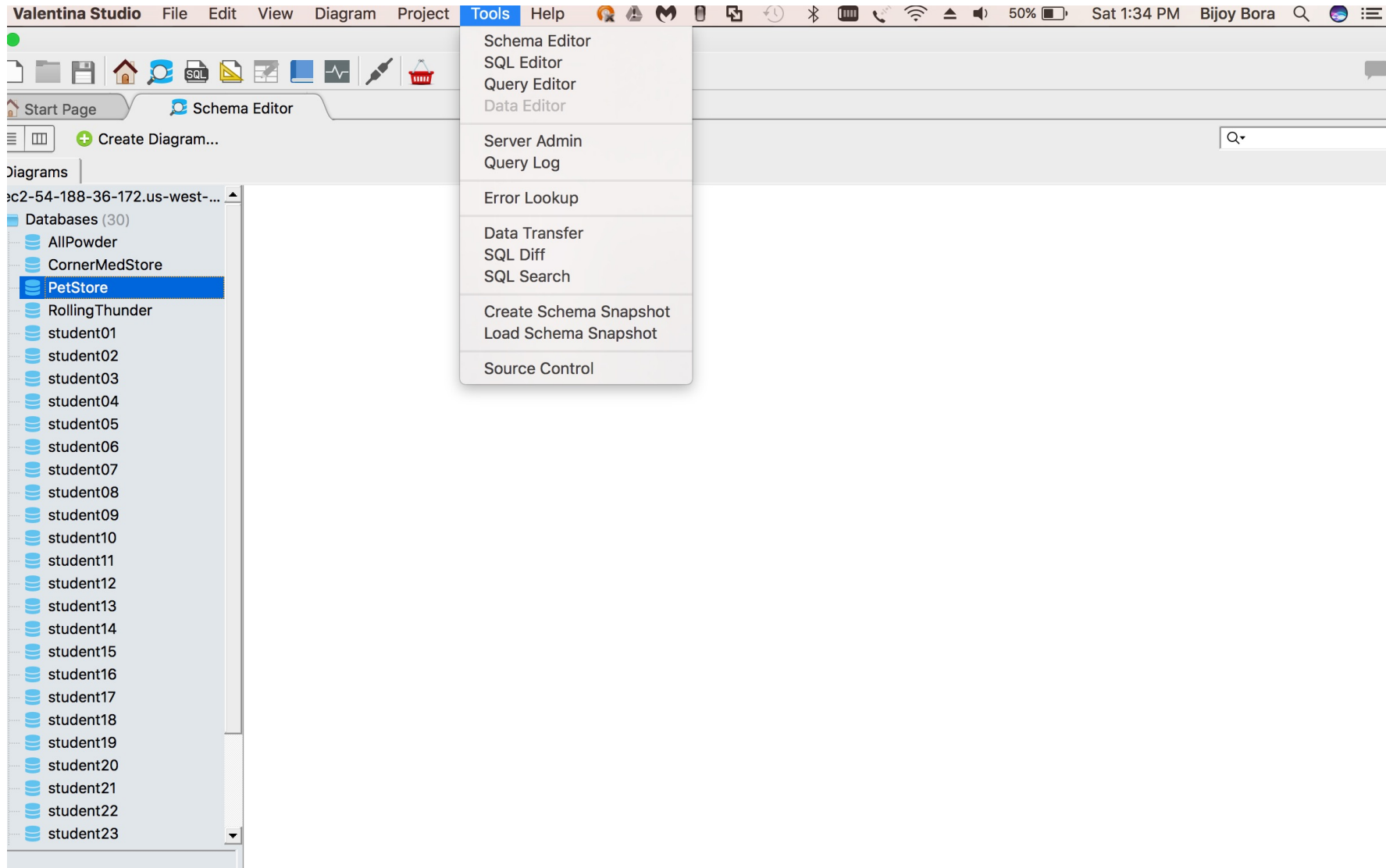
Select Query Editor

Query editor

Select Animal from under dbo

Select Name, Category, Breed, DateBorn

Select Edit>Execute

Execute   SQL Open in SQL Editor   Database: PetStore   Query:

Tables   Links   Views
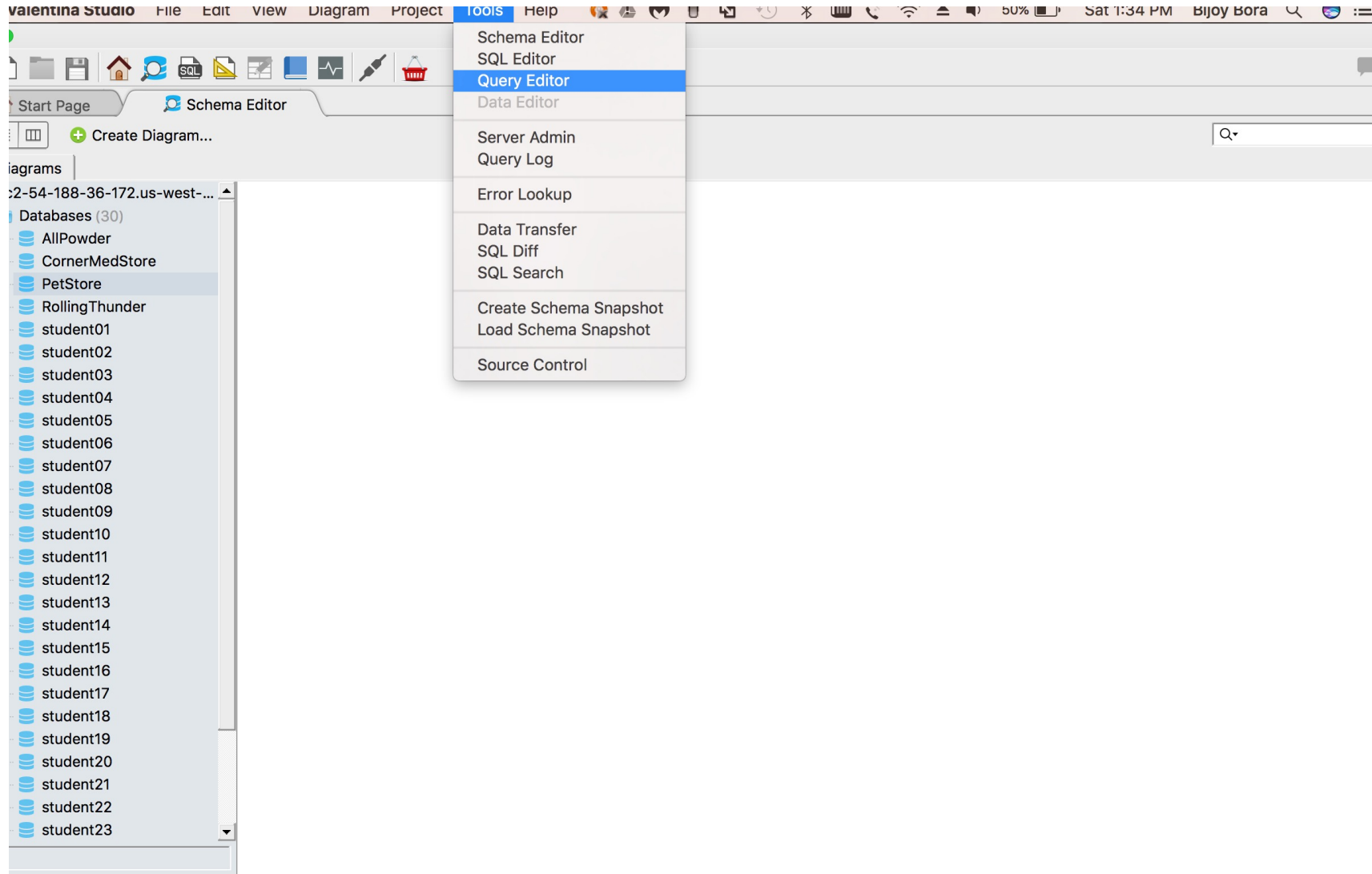
Related Objects   Relationship

dbo
- Customer
- Supplier
- Merchandise
- MerchandiseOrder
- OrderItem
- Sale
- SaleItem
- SuperBowl
- USstates
- teams
- students
- eval_items
- evaluations
- eval_items_scores
- sysdiagrams
- Event
- Venue
- Track
- Speaker
- SessionSpeaker
- Session
- Room
- Preferences
- Revision
- Category
- Breed
- City
- AdoptionGroup
- Animal
- Employee

guest

dbo
guest

[dbo].[Animal]

☐	🔑	AnimalID	Int:I:U
☑		Name	NVarchar[100]:N
☑		Category	NVarchar[100]:N
☑		Breed	NVarchar[100]:N
☑		DateBorn	SmallDateTime:N
☐		Gender	NVarchar[50]:N
☐		Registered	NVarchar[50]:N
☐		Color	NVarchar[100]:N
☐		Photo	Image:N
☐		ImageFile	NVarchar[250]:N

Select   Query   SELECT... ✕

	Name	Category	Breed	DateBorn
1	<NULL>	Fish	Angel	May 5 2013 12...
2	Simon	Dog	Vizsla	Mar 2 2013 12...
3	<NULL>	Fish	Shark	Jan 1 2013 12...
4	Rosie	Cat	Oriental ...	Aug 2 2013 12...
5	Eugene	Cat	Bombay	Jan 25 2013 12...
6	Miranda	Dog	Norfolk ...	Jan 4 2013 12...
7	<NULL>	Fish	Guppy	Jan 10 2013 12...
8	Sherri	Dog	Siberian...	Sep 13 2013 1...

Check query Result

Tab back to Select tab

Click under filter cell for DateBorn

Add filter > August 1

SuperBowl
USstates
teams
students
eval_items
evaluations
eval_items_scores
sysdiagrams
Event
Venue
Track
Speaker
SessionSpeaker
Session
Room
Preferences
Revision
Category
Breed
City
AdoptionGroup
Animal
Employee
est

	Breed	NVarchar[100]:N
☑ 📗	DateBorn	SmallDateTime:N
☐ 📗	Gender	NVarchar[50]:N
☐ 📗	Registered	NVarchar[50]:N
☐ 📗	Color	NVarchar[100]:N
☐ 📗	Photo	Image:N
☐ 📗	ImageFile	NVarchar[250]:N

Select | **Query** | 📌 SELECT... ☒

		Function	Column	Alias	Object	Filter	Group By	Sort Type	Sort Order
↕	☑		🔹 Name		📙 [dbo].[Animal]				
↕	☑		🔹 Category		📙 [dbo].[Animal]				
↕	☑		🔹 Breed		📙 [dbo].[Animal]				
↕	☑		🔹 DateBorn		📙 [dbo].[Animal]	[dbo].[Animal].[DateBorn] > '8.1.2013'			

Execute query

Query result for Q1

Other Software Options
for Mac, Linux, and Windows

- SQuirreL - http://squirrel-sql.sourceforge.net/ (open source)

- DB Visualizer - http://www.dbvis.com/ (freemium)

- Database Beaver - http://dbeaver.jkiss.org/ - (Open source)

- Adminer - http://www.adminer.org/ - (linux oriented)

- Valentina Studio - http://valentina-db.com/en/studio/download - Easy install on Mac

Valentina Studio Mac Install

- Download Mac version
- Double click on disk image
- Choose get a free serial and enter it. Provide a valid email account. The serial # will be sent to this email account
- Copy and paste the serial number
- Click on Connect To. Select MSSQL as the server type
- Specify
  - Hostname = ec2-54-148-238-113.us-west-2.compute.amazonaws.com
  - Port = 1433
  - UserID = studentxx (xx = use any id from '01' to '60')
  - Password = uop123
  - Database = PetStore