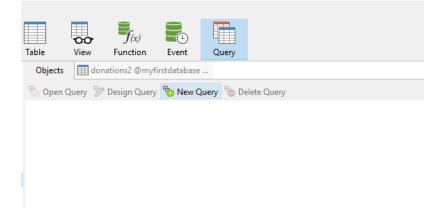
Chapter 5

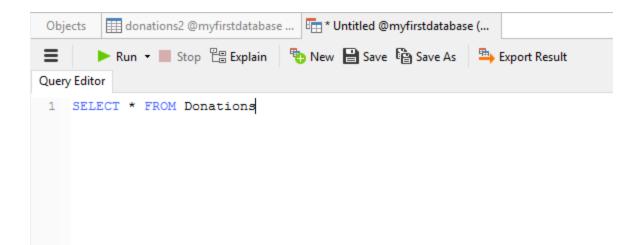
Getting Started with Queries in MySQL

Writing queries in Navicat

To begin writing a query in Navicat, click on the large Query icon and choose New Query.



Write your query in the query editor window, as seen here.



Click on the green Run arrow to execute the query. The result appears below.

	Run 👻 📕 Stop	E Explain	👆 New 💾 Save	🔓 Save As 🛛 🖹 Memo	🝷 ៉ Export Result	
uery Editor						
1 SELECI	* FROM Don	ations				
lessage Resu	ult1 Profile St	atus				
Donor_ID	Donor_Last	Donor_First	Donor_Initial	Donor_Address	Donor_City	D
-	-	_	_	_		
1	Smith	Joanne	0	22 Any Street	Calgary	A
	Smith Jones	Joanne Steve	O (Null)	22 Any Street 57 Moneybags Court	Calgary Toronto	
2			-		2.7	C
2 3	Jones	Steve	(Null)	57 Moneybags Court	Toronto	C N
1 2 3 4 5	Jones Leblanc	Steve Carole	(Null) X	57 Moneybags Court 212 Tormentine Cape	Toronto Dieppe	C N A
2 3 4 5	Jones Leblanc Johnson	Steve Carole Gerald	(Null) X F	57 Moneybags Court 212 Tormentine Cape 55 Nonexistent Way	Toronto Dieppe Calgary	
2 3 4 5 5	Jones Leblanc Johnson Stephenson	Steve Carole Gerald Brenda	(Null) X F (Null)	57 Moneybags Court 212 Tormentine Cape 55 Nonexistent Way 21 Anywhere Avenue	Toronto Dieppe Calgary Brandon	
2 3 4 5 5 7	Jones Leblanc Johnson Stephenson Tremblay	Steve Carole Gerald Brenda Monique	(Null) X F (Null) O	57 Moneybags Court 212 Tormentine Cape 55 Nonexistent Way 21 Anywhere Avenue 16 Rue Vide	Toronto Dieppe Calgary Brandon Montreal	
2 3 4	Jones Leblanc Johnson Stephenson Tremblay Calhoun	Steve Carole Gerald Brenda Monique David	(Null) X F (Null) O (Null)	57 Moneybags Court 212 Tormentine Cape 55 Nonexistent Way 21 Anywhere Avenue 16 Rue Vide 99 Apex Landing	Toronto Dieppe Calgary Brandon Montreal Hamilton	

If you click Save, you will be given the option to give the query a name. The SQL will be saved and you'll see query in the query list. You can run it again anytime.

If you wish to save a copy of the query results, click on Export Result, and you'll be led through an export wizard to save the query result in one of several formats.

Export Wizard	×
This wizard allows you to specify details of how to export your format would you like? (1/5)	data. Which export
Export format	
Text file (*.txt)	
○ CSV file (*.csv)	
O HTML file (*.htm;*.html)	
○ XML file (*.xml)	
◯ JSON file (*.json)	
Save 🔽	Next > >> Cancel

The wizard is self explanatory and allows you to set such parameters as the delimiter to use in a delimited text file, the character to end rows, the order for date elements and the decimal symbol.

Export Wizard	_		×
You can define some ad	dditional options. (4/5)		
🗹 Include column titles			
Append			
Continue on error			
Record Delimiter:	CRLF ~		
Field Delimiter:	Tab \checkmark		
Text Qualifier:	"		
Formats			
Date O	Order: YMD ~		
Date Delin	niter: -		
Zero Padding	Date: No 🗸		
Time Delin	niter: :		
Decimal Syn	mbol: .		
Binary Data Enco	ding: Base64 v		
Save 💌	<< < Back Next >>>	Cance	1

Getting ready to write queries in Sequel Pro

The process of starting a query in Sequel Pro is almost identical. Click on the large query icon to the right side of the main screen.

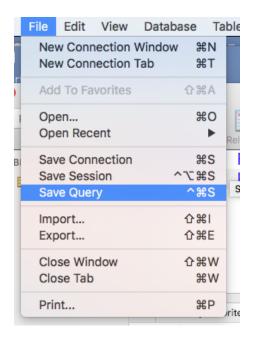
• • •	(MySQL 5.6.15) MyNewConnection/PoliticalDonations	
PoliticalDonations \$		
Select Database	Structure Content Relations Triggers Table Info Query	Table History Users Console
TABLES	1	
E Donations		
	© & • Query Favorites ➤ Query History ➤	Run Current v
TABLE INFORMATION		

You can start writing the query in the window directly below. Run by clicking Run Current. The results appear in the bottom area.

Structure	e Content Relation	ns Triggers Ta	ble Info Query	1		Table Histo	ry Users Co	onsol
1 SE	LECT * FR(OM Donat	ions					
♀ ▼ Donor_ID	4000,000	✓ Quer Donor_First	y History 🗸	© Donor_Address	Donor_City	Run Donor_Province	Current Donor_Age	Dor
1	1 Smith	Joanne	0	22 Any Street	Calgary	AB	77	F F
2	2 Jones	Steve		57 Moneybags Court	Toronto	ON	21	M
3	3 Leblanc	Carole	х	212 Tormentine Cape	Dieppe	NB	34	ł
4	4 Johnson	Gerald	F	55 Nonexistent Way	Calgary	AB	55	5 M
5	5 Stephenson	Brenda		21 Anywhere Avenue	Brandon	MB	49	F
6	6 Tremblay	Monique	0	16 Rue Vide	Montreal	QC	38	8 F
7	7 Calhoun	David		99 Apex Landing	Hamilton	ON	22	2 M
8	8 Mills	Harold	R	65 Atlantic Lane	Halifax	NS	89	М
9	9 White	Mel	D	27 Sandstone Bluff	Charlottetown	PE	27	7
								-
10	0 Silvers	Wanda	U	55 Assini-Red Fork	Winnipeg	MB	72	2 F

If you conclude a query with a semicolon, you can write another query below the first one. This can be useful if you are working on a project and want to group queries together. You can save the entire group of queries or copy and paste them into another document.

The Query History table gives you access to the previous 20 queries by default, or another number up to 99 if you change the default in Preferences>General. To save a query, choose File>Save Query



You will be prompted for a location and name for your saved query. Saved queries can be reopened using Open in the same File menu. Once opened, you can run the query again. Whatever changes have been made to the data will be reflected in the query when it runs.

By choosing File>Export, you can export the query results.

Query Results	ᅌ 🗹 New file p	er table		
Table Donations				 Put field names in first row Fields: Terminate Wrap Escape Lines: Terminate NULL values: NULL
¢			 8 8	

You can set options for the field and row delimiters, for escaping field qualifiers (quotation marks placed around data text fields in a csv file), whether the field names should be exported to the first row, and what character should be inserted for null values.