

Unit 01 - Getting MySQL Installed

Introduction to Enterprise Relational Databases

Instructions

You'll probably save yourself time if you read these instructions all the way through before you start.

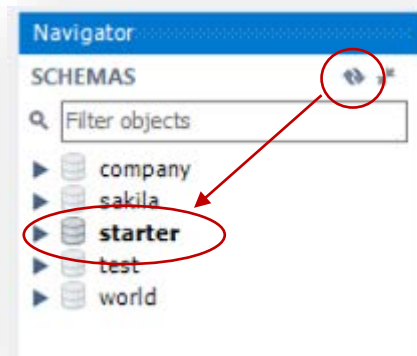
In this unit we are focusing on setting up the MySQL environment on your computer. You will install **MySQL Workbench** per the text (Chapter 2 coupled with **Appendix A or B** will assist with this process) Students have found the two appendices very helpful in getting MySQL installed.

Really Important Tips

For most students the installation program goes very quickly and smoothly. Just about every students whose had problems with installation didn't follow these tips. No matter what operating system you're using, read all of this.

- Read Chapter 2 and use either Appendix A or B to guide you through the installation.
- For the Windows computer, there's a PDF file on Blackboard "Installing MySQL on Windows.PDF" showing you screen shots of the installation process, click-by-click.
- You'll need to run the installation program from a login with Administrative privileges on the computer.
- This is what trips up most students who have problems: During the installation don't change any default values and accept all suggestions of the installation program.
 - If the MySQL installation program says it needs to install some prerequisite software, let it install the prerequisites. Otherwise you'll just wind up reinstalling to get the prerequisites.
 - When the installer suggests running MySQL as a Service, let it do that. It uses minimal resources when you're not using it and it will always be ready when you go to use it.
- I suggest rebooting your machine when the installation completes.
- After installation, if you have problems connecting to the database, you may have Firewall/Antivirus software that's blocking port 3306. You may need to open that port.
- Mac and Linux
 - The installation process is similar to Windows and the PDF "Installing MySQL on Windows.PDF" may be helpful to you.
 - If you are installing on a Mac: The installation program will display a temporary password. Be sure to copy it down or make a screen shot as you must have it later to connect to the database. If you lose it, you will have to go through many steps to change it.
 - If you are installing on Linux, check out this page:
<https://dev.mysql.com/doc/workbench/en/wb-installing-linux.html>
- Creating the Starter database

- Once you run the scripts to create the database, click on the refresh button to the right of the SCHEMAS title bar. You should then see the starter database. There may be other databases but you can ignore them.



Be sure to start the MySQL Workbench installation process early so that I can help you with any problems you may have. If you run into problems, post questions on the discussion board or send me an email. DO NOT abandon MySQL Workbench and try some other approach; MySQL is required for this course.

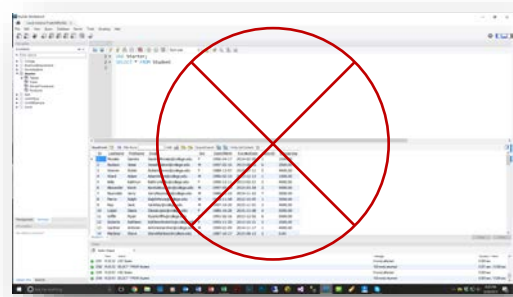
Making Screen Shots

Please use the built-in Windows **Snipping Tool** or a similar tool to copy only the relevant part of your screen. Except for Step 1, when you make a screen shot, don't show me your entire computer screen; it will be too hard to for me to read.

Like this – Snipped to show just the Result Grid

ID	LastName	FirstName	Email	Sex	DateOfBirth	EnrolledDate	MajorID	Scholarship
1	Morales	Sandra	SandraMorales@college.edu	F	1996-04-17	2014-02-09	1	1000.00
2	Hudson	Jesse	JesseHudson@college.edu	M	1997-02-16	2013-08-16	6	2000.00
3	Warren	Robin	RobinWarren@college.edu	F	1988-12-07	2015-07-11	5	4000.00
4	Ward	Adam	AdamWard@college.edu	M	1996-02-10	2013-12-13	1	1000.00
5	Kelly	Kathryn	KathrynKelly@college.edu	F	1990-12-11	2013-02-21	2	4000.00
6	Alexander	Kevin	KevinAlexander@college.edu	M	1997-05-19	2015-03-28	2	5000.00
7	Reynolds	Jerry	JerryReynolds@college.edu	M	1986-01-10	2014-11-22	7	3000.00
8	Pierce	Ralph	RalphPierce@college.edu	M	1988-11-08	2012-10-05	1	3000.00

Not like This – Entire Window



When you make a screen shot of your Result Grid if there are a lot of rows in the result, snip it to show me only the first 10 or so.

Steps

Watch the videos in the Materials folder for Unit 01 on Blackboard.

Download the answer document (Unit01Answers.doc). Be sure to put your name at the top of the answer document where that's indicated. Answer the questions below in that document and when you are done, upload it into Blackboard.

For all assignments in this course you must use the starter file supplied on Blackboard and you must submit either a **.DOC** or **.DOCX** file. Any other file type such as an Open Office .ODT file is will earn a grade of zero. This is because file types other than .DOC or .DOCX will not display properly in Blackboard for grading. If you are using Open Office that's fine. Just be sure to start with the starter file and save it as a .DOC file and submit that file.

You may submit this assignment up to two times until the deadline. The first attempt will be ignored. Make sure you're uploading the right file.

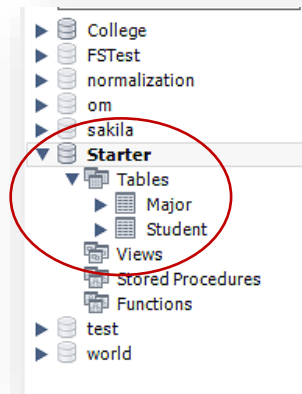
The points for each question are shown in [].

1. [15] Download and install MySQL using the web address shown in Blackboard in the Start Here / Frequently Asked Questions section.

Show your success with the MySQL installation with a screen print of your *entire* MySQL Screen and a two or three sentence discussion of your experience. Remember: All your writing in this course should be "workplace ready." That means you need to write in complete sentences with good spelling, punctuation, and grammar. And all your writing must be your own original work. You may not reuse writing from any other course or any other semester.

2. [5] Create and load the **Starter** database using the script files you can download from the **Databases Used in this Class** folder of the **Units** section on Blackboard. **StarterCreate.sql**. Include a screenshot of your created databases showing the **Starter** database with the Tables

node expanded so you can see the Major and Student tables.



- a. Write a *brief* two or three sentence discussion of your experience in this step.
3. [3] Run the following query against the **Starter** database.

-- Your Name

USE Starter;

SELECT * FROM Student;

Paste a snipped screenshot of the first 10 or so rows from your **Result Grid** in your document. Yours should look something like this, but your data may be different.

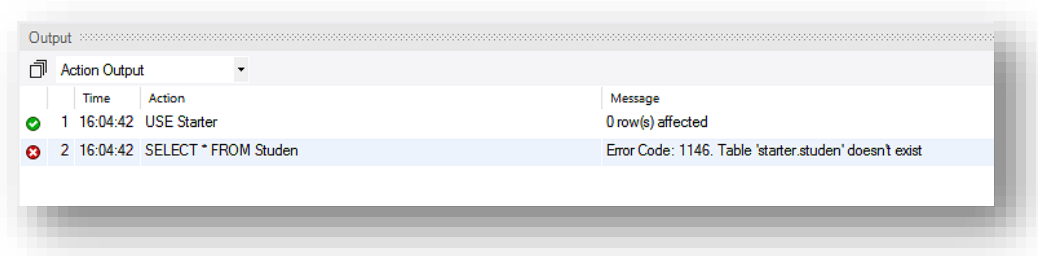
	ID	LastName	FirstName	Email	Sex	DateOfBirth	EnrolledDate	MajorID	Scholarship
▶	1	Sanders	Janice	JaniceSanders@Starter.edu	Female	1987-03-30	2013-01-11	NULL	2000.00
	2	Bailey	Christine	ChristineBailey@Starter.edu	Female	1990-07-24	2015-12-17	NULL	1000.00
	3	Moore	Thomas	ThomasMoore@Starter.edu	Male	1992-06-06	2014-12-15	3	0.00
	4	Crawford	Joshua	JoshuaCrawford@Starter.edu	Male	1992-10-26	2013-12-18	6	4000.00
	5	Garza	Clarence	ClarenceGarza@Starter.edu	Male	1989-03-24	2015-07-25	NULL	2500.00
	6	Tucker	Nancy	NancyTucker@Starter.edu	Female	1986-07-23	2012-07-19	5	2000.00
	7	Gordon	Martin	MartinGordon@Starter.edu	Male	1992-05-06	2012-06-24	2	2000.00
	8	Howell	Amy	AmyHowell@Starter.edu	Female	1992-07-07	2014-10-29	NULL	0.00
	9	Bowman	John	JeremyBurke@Starter.edu	Male	1986-12-10	2015-11-07	5	1000.00
	10	Bowman	Eric	MartinBowman@Starter.edu	Male	1985-12-30	2015-03-06	6	2000.00

4. [2] Run the query again removing the "t" at the end of Student.

SELECT * FROM Studen;

Paste a screenshot of your **Output** window in your document. Tip: Right click in the Output pane and select Clear to empty it before you run your query. After you run the query yours should look something like below. Using the MySQL help discuss the meaning for the error.

One paragraph at most.



Action Output			
	Time	Action	Message
✓	1 16:04:42	USE Starter	0 row(s) affected
✗	2 16:04:42	SELECT * FROM Studen	Error Code: 1146. Table 'starter.studen' doesn't exist