

Setup Local Environment

With MySQL (Local and Prod)

Windows 10 x64

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Setup Local Environment

Hardware Requirements:

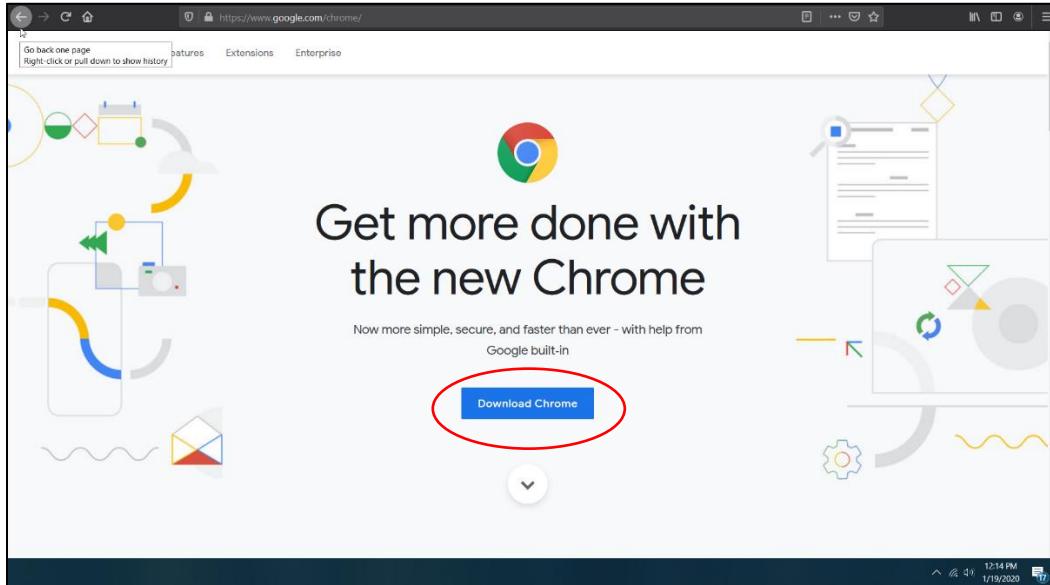
- A. 8 GB of total system RAM
- B. SSD drive with at least 5 GB of free space
- C. Monitor Resolution minimum - 1024x768
- D. Latest 64-bit version of Window

Software Requirements:

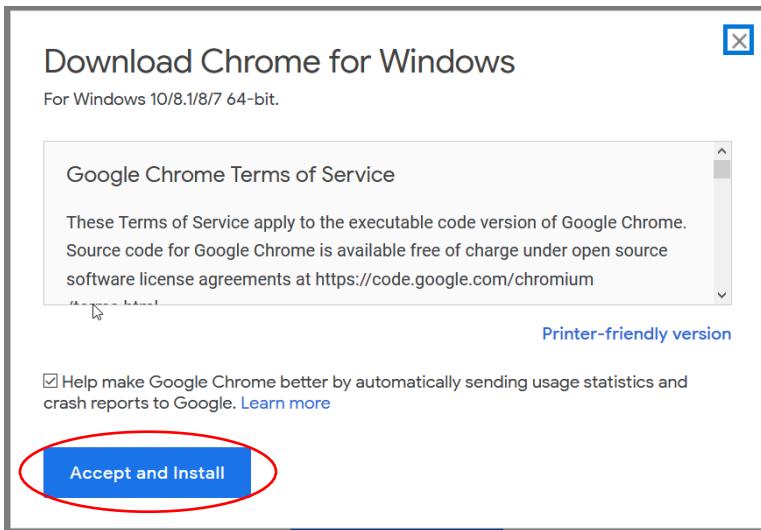
- A. [Chrome Browser](#)
- B. [Downloading MySQL Locally](#)
- C. [Setup MySQL on Local Environment](#)
- D. [Connect to MySQL Production Database](#)

A. Browser (Chrome)

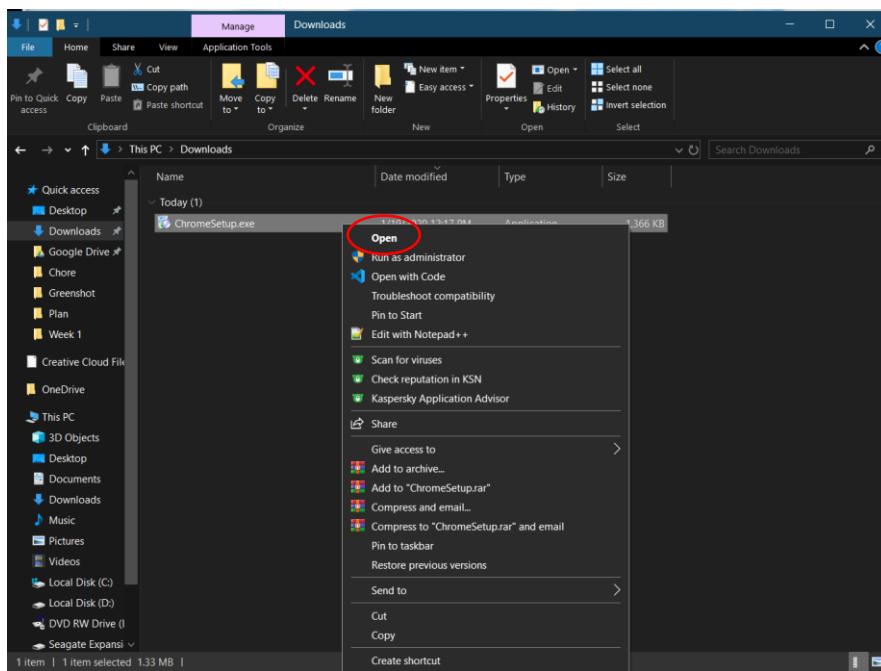
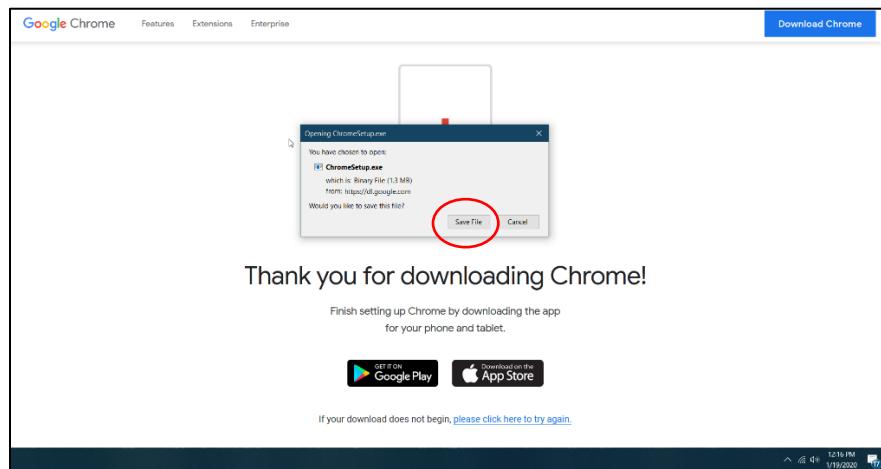
- 1) Go to <https://www.google.com/chrome/> via your browser
- 2) Click on Download Chrome



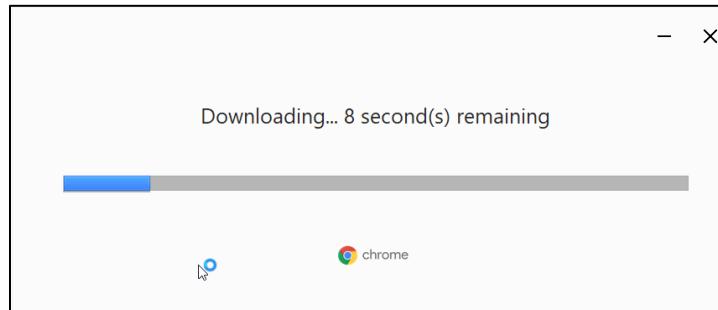
- 3) Click Accept and Install

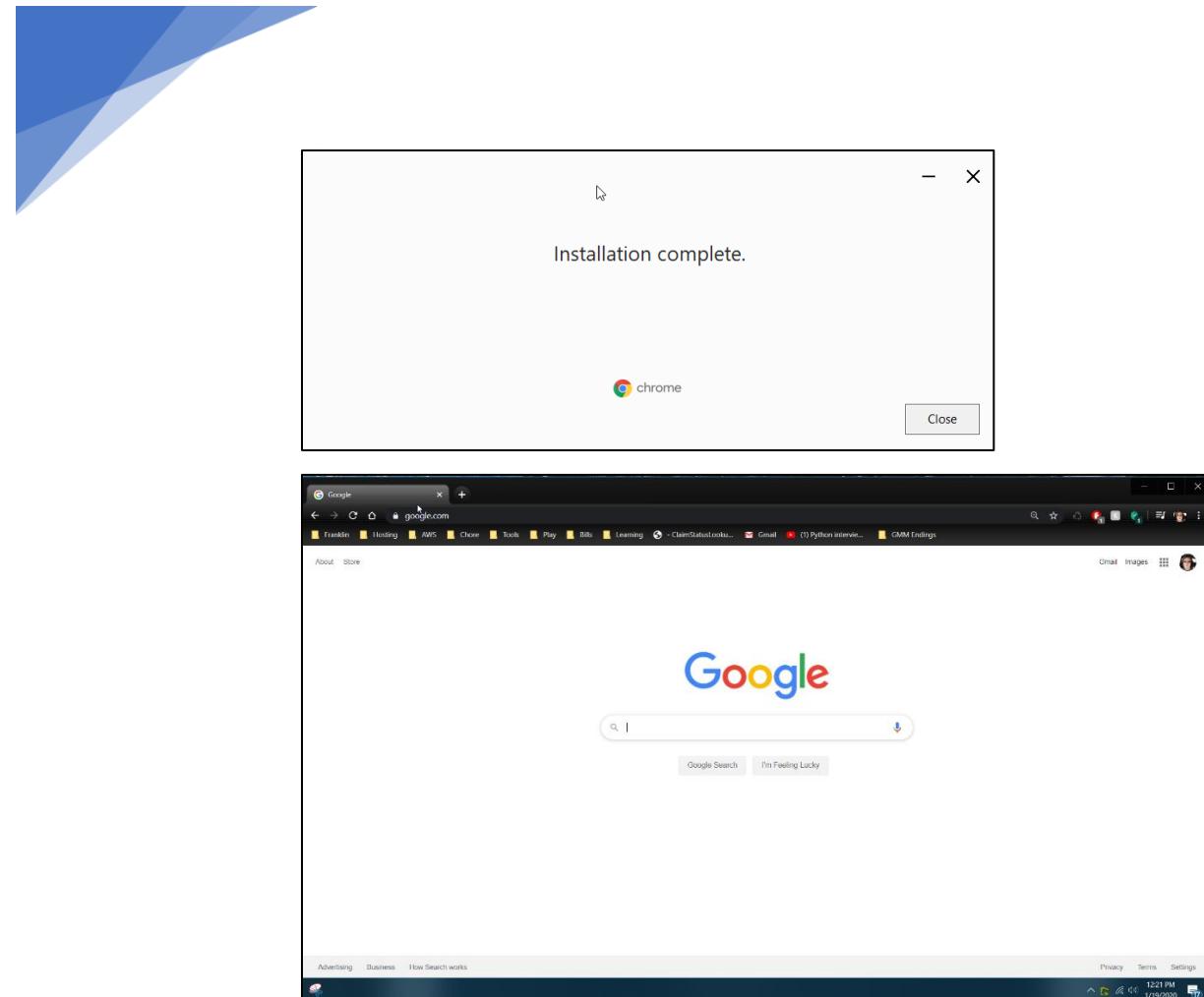


4) Save File and Open Chrome



5) Chrome will start download and will open Automatically





B. Downloading MySQL Locally

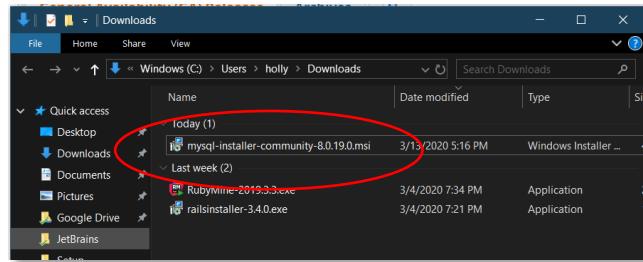
- 1) Go to <https://dev.mysql.com/downloads/installer/> via Chrome browser (from [Step A](#))
- 2) Click on the Online Download or Native Download (online file is smaller (18.6MB vs 398.9MB))

The screenshot shows the MySQL Community Downloads page. At the top, there are tabs for 'General Availability (GA) Releases' and 'Archives'. Below this, the MySQL Installer 8.0.19 section is displayed. It shows two download options: 'Windows (x86, 32-bit), MSI Installer' (8.0.19, 18.6M) and 'Windows (x86, 32-bit), MSI Installer' (8.0.19, 398.9M). A red oval surrounds the second download link. Below the links, a note suggests using MD5 checksums and GnuPG signatures for integrity verification.

- 3) Click “[No thanks, just start my download.](#)”

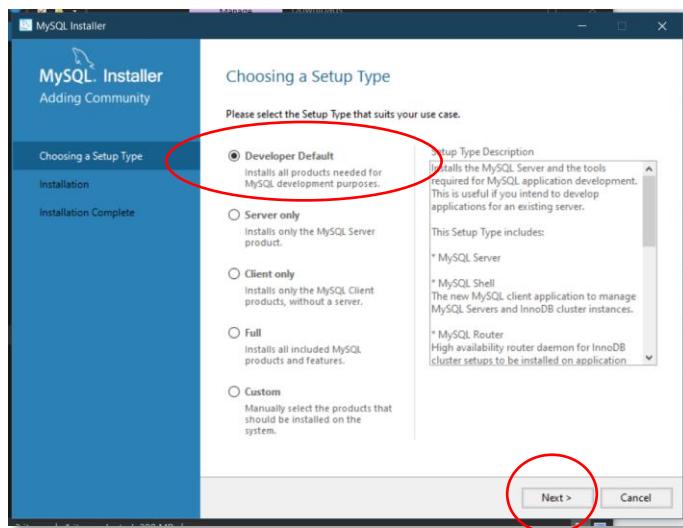
The screenshot shows the MySQL Community Downloads page again. It features a 'Login Now or Sign Up for a free account.' section with advantages of an Oracle Web Account. Below this are 'Login >' and 'Sign Up >' buttons. At the bottom left, a red oval highlights the 'No thanks, just start my download.' button.

- 4) Double Click / Open the download **msi** file

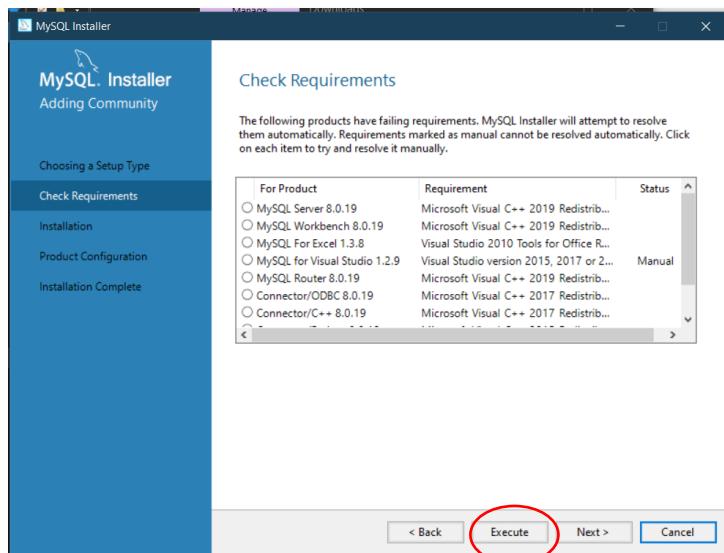


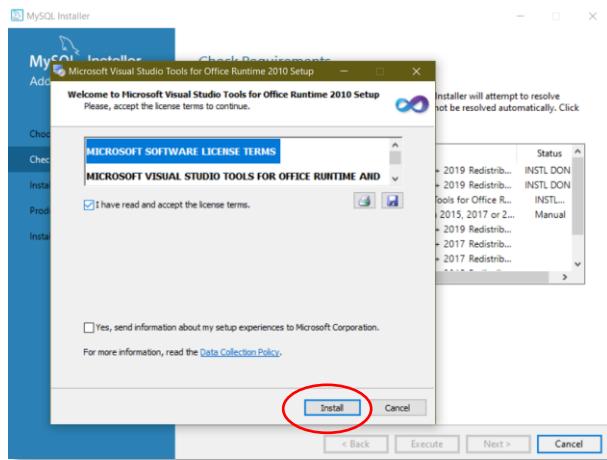
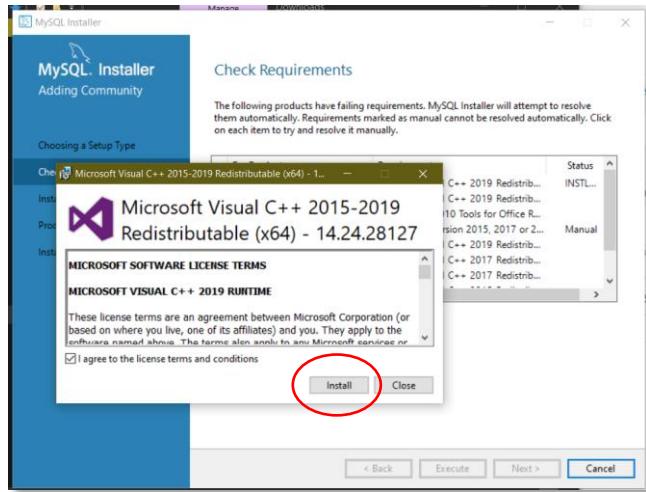
- 5) Accept prompts (if not already elevated to Admin account)

- 6) Click on **Developer Default** and **Next**

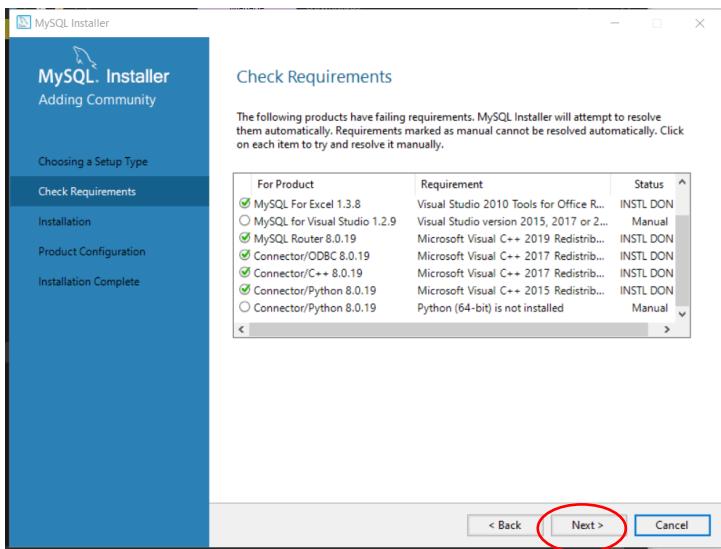


- 7) Click **Execute** to check Requirements and click **Install** any downloads that MySQL needs to download

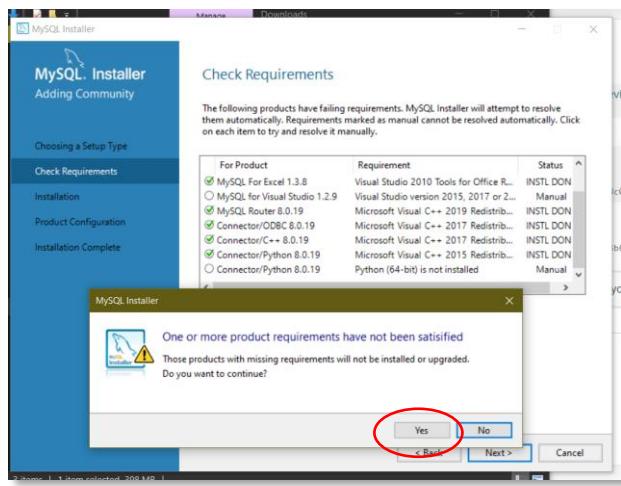




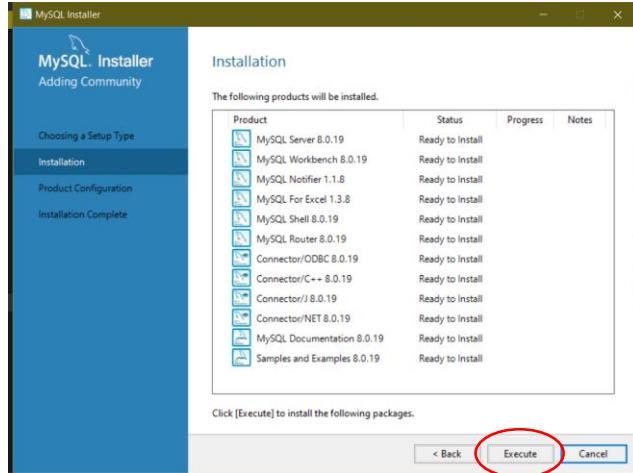
8) Click Next



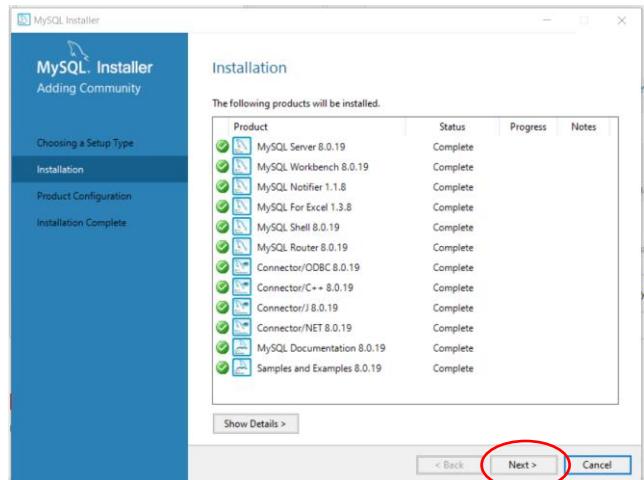
9) You might have to **Manually** download some of the other applications



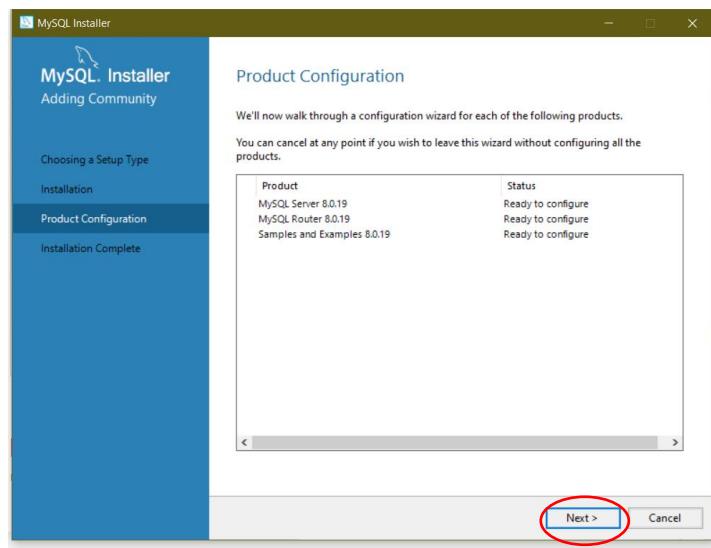
10) Click **Execute** to **Install** Files



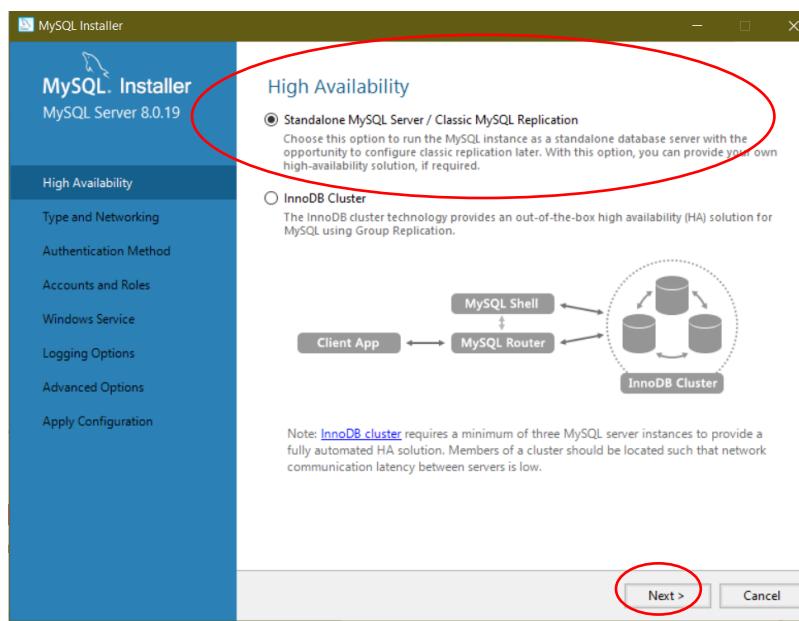
11) Click **Next**



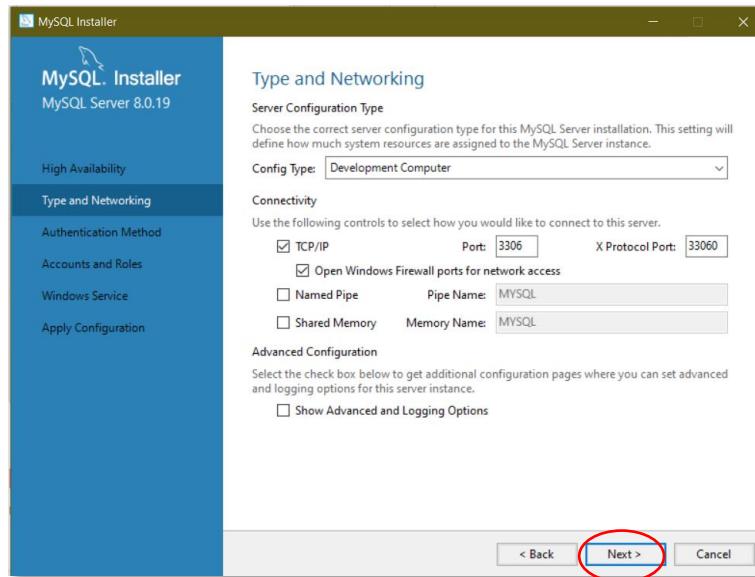
12) Click Next



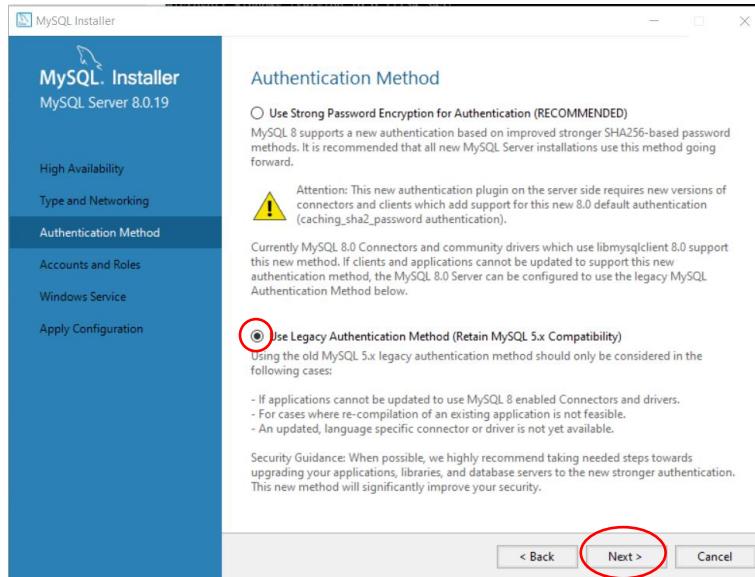
13) Click Standalone MySQL Server / Classic MySQL Replication and Click Next



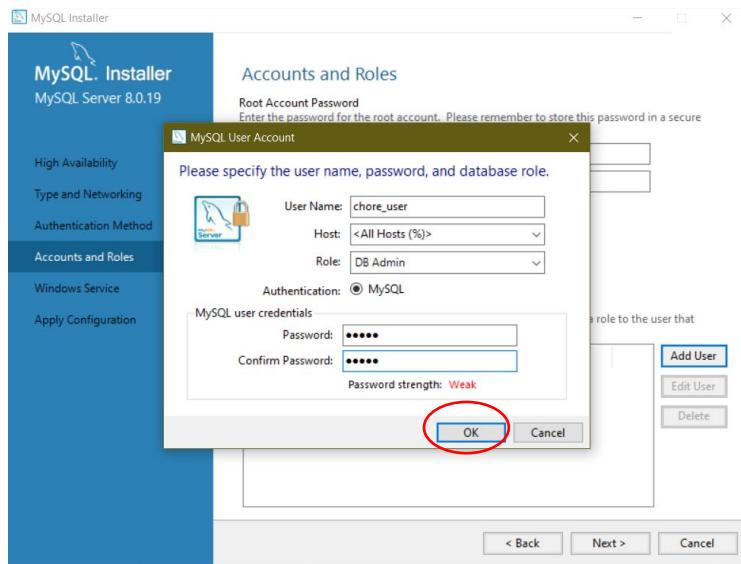
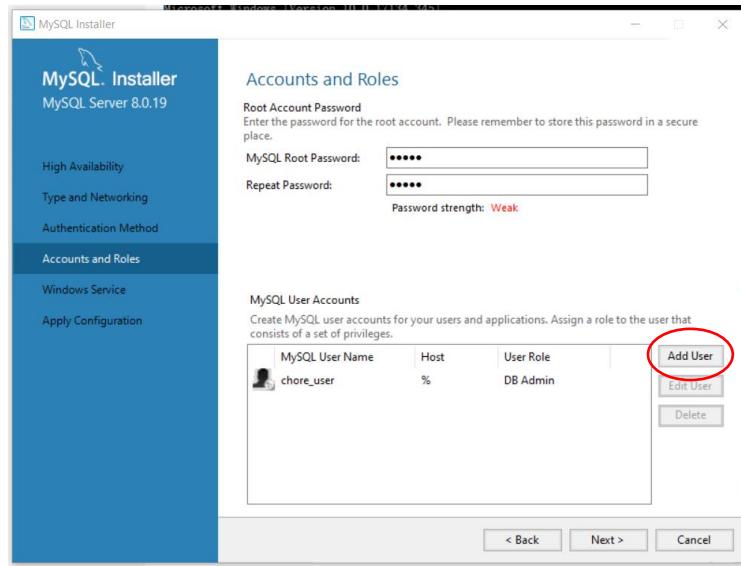
14) Accept Defaults and click **Next** (If you already have another Database program installed, ex SQLite, Postgres, you might have to change the Port Number. To View your available ports, [click here](#)).



15) Click **Use Legacy Authentication Method** and click **Next**

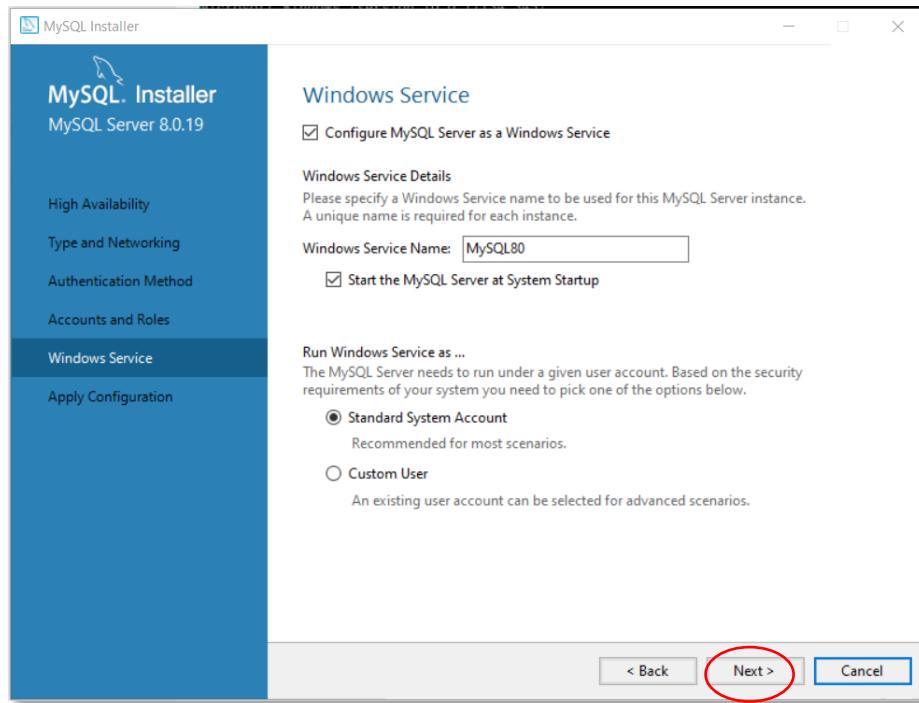


16) Choose and type a password for your **root** MySQL account. You can also **Add User**, I'm going to go ahead and add **chore_user** for our **Chore Bucks Project** database. I also saved these credentials on my local PC so I don't forget them (this is up to you). Then Click **Next**

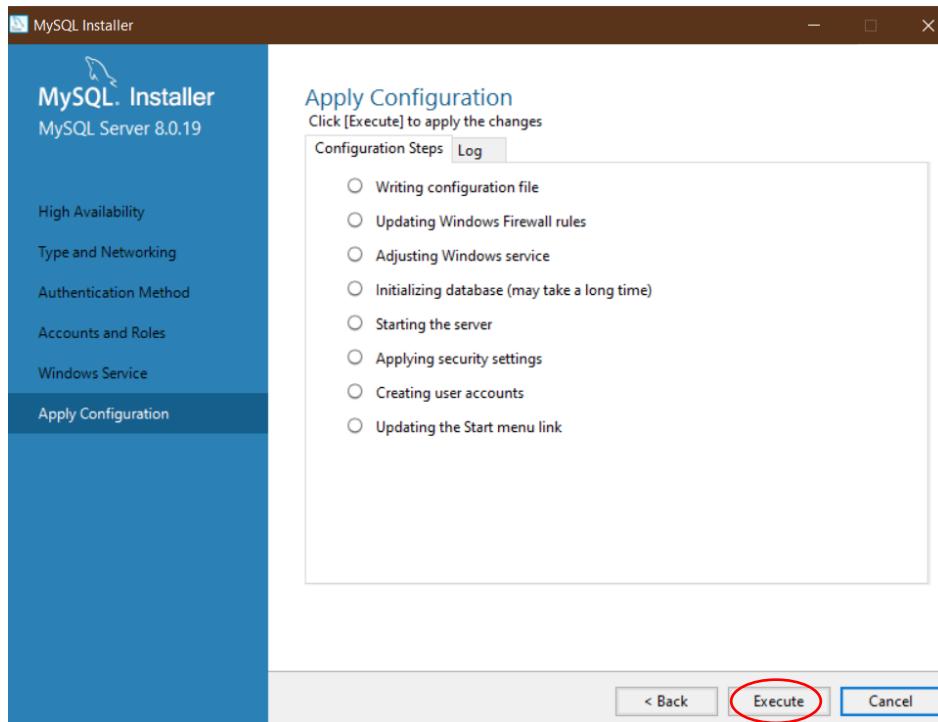


```
*new 3 - Notepad++
File Edit Search View Encoding Languages
new 1 new 2 new 3
1 root
2 [REDACTED]
3
4 chore_user
5 [REDACTED]
```

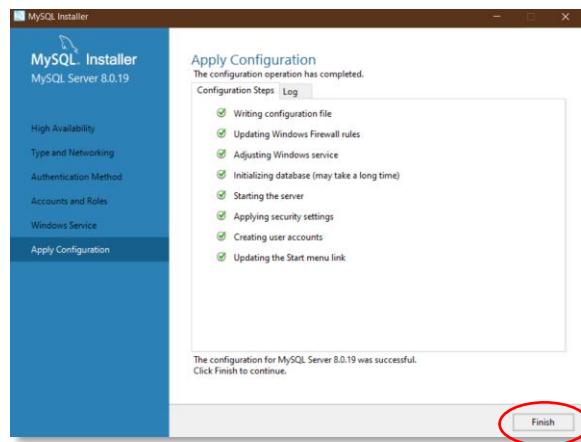
17) Accept Defaults and click **Next**



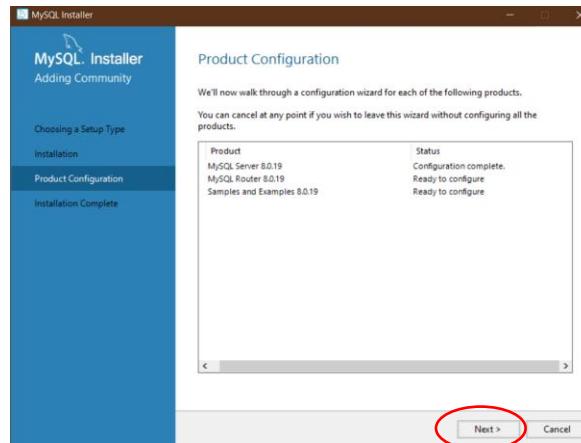
18) Click **Execute** to Apply Configurations



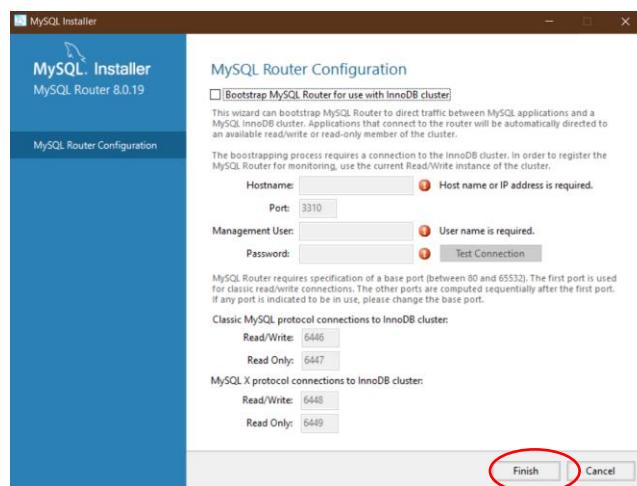
19) Click **Finish**



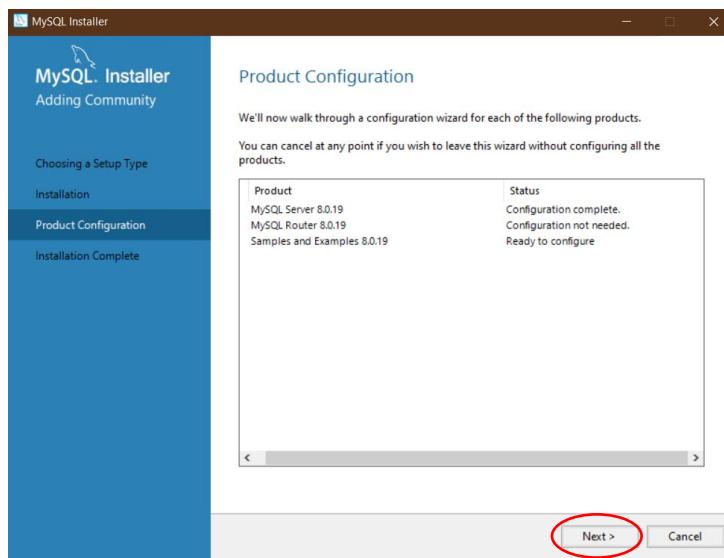
20) Click **Next**



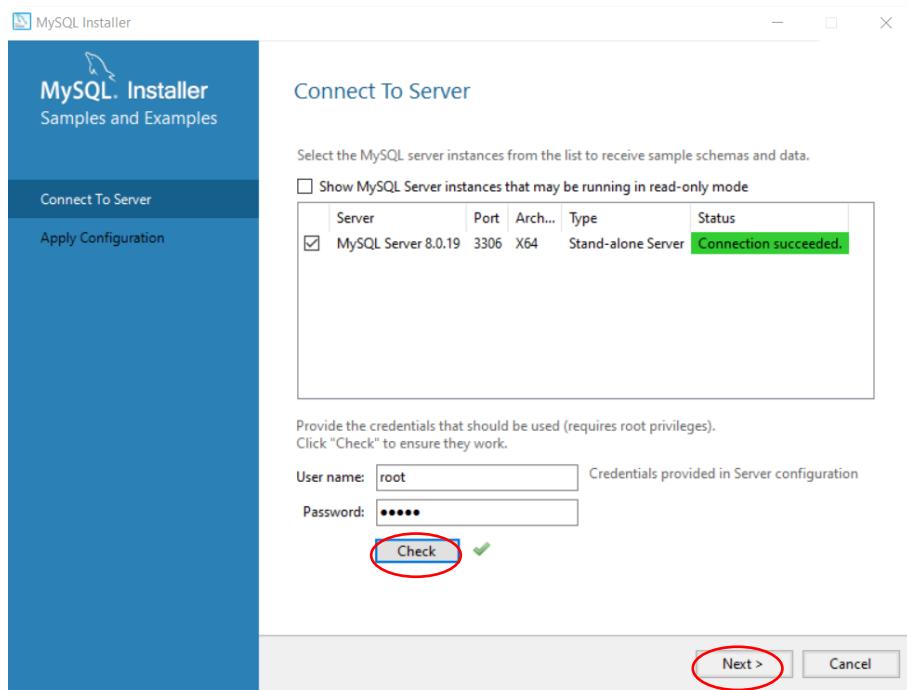
21) Do Not Click Bootstrap MySQL Router for use with InnoDB cluster and Click Finish



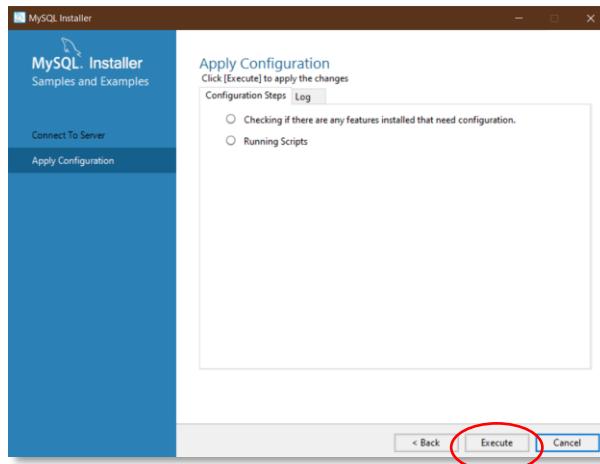
22) Click **Next**



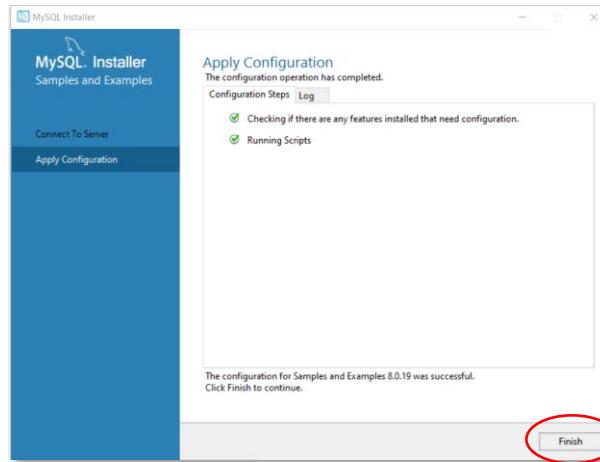
23) Enter **password** for **root** account (per [Step 16](#)) and click **Check** to verify the connection to your local MySQL Server succeeds and then Click **Next**



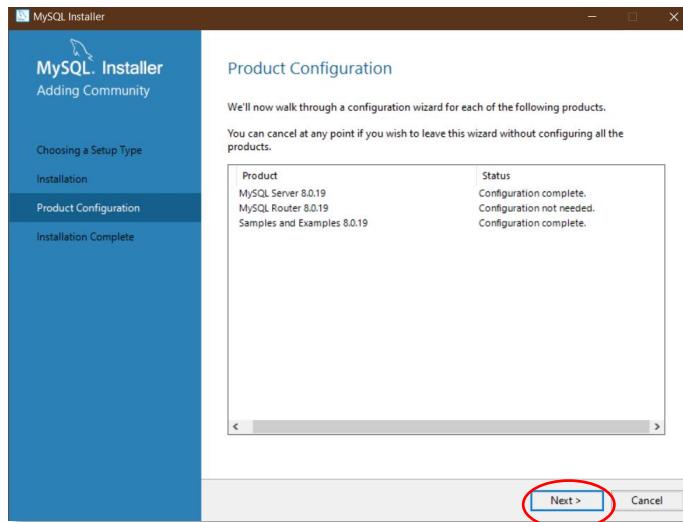
24) Click **Execute to Apply Configurations**



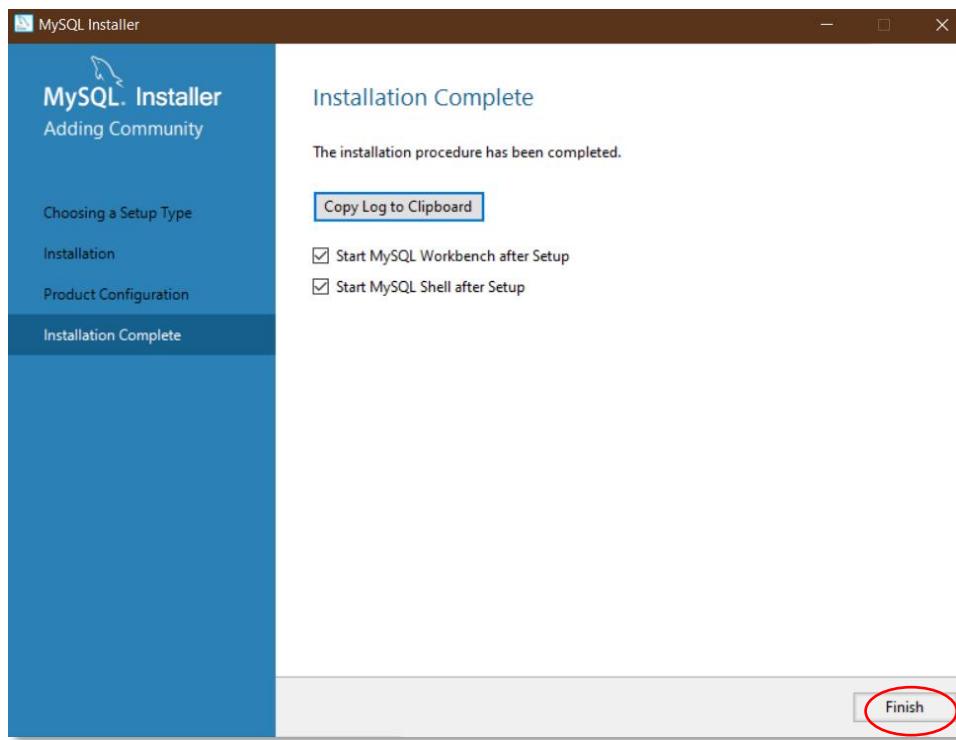
25) Click **Finish**



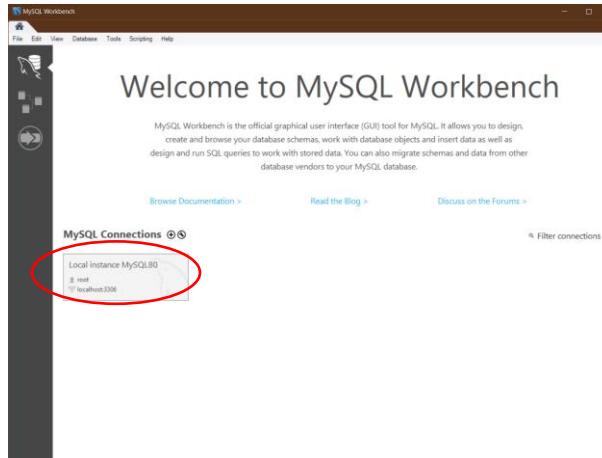
26) Click **Next to Configure Products**



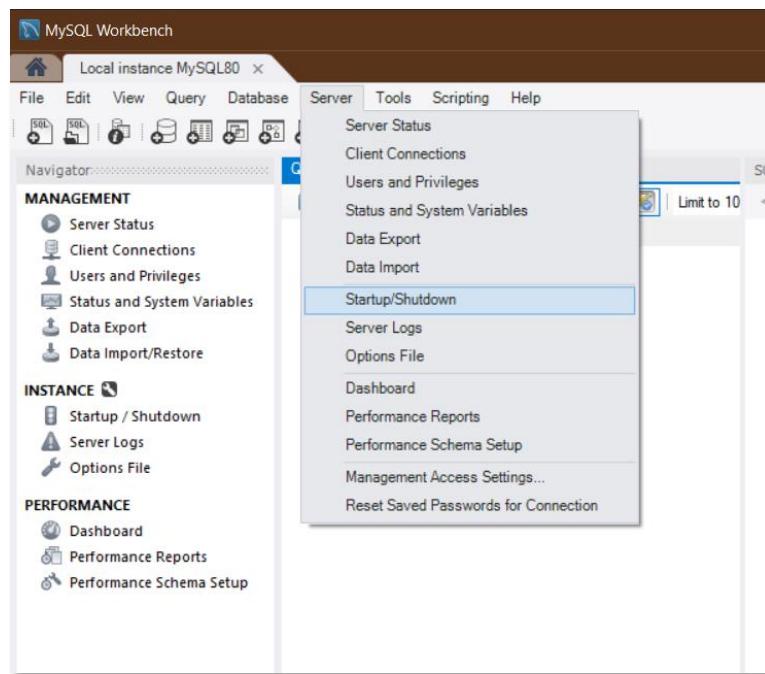
27) Click **Finish**



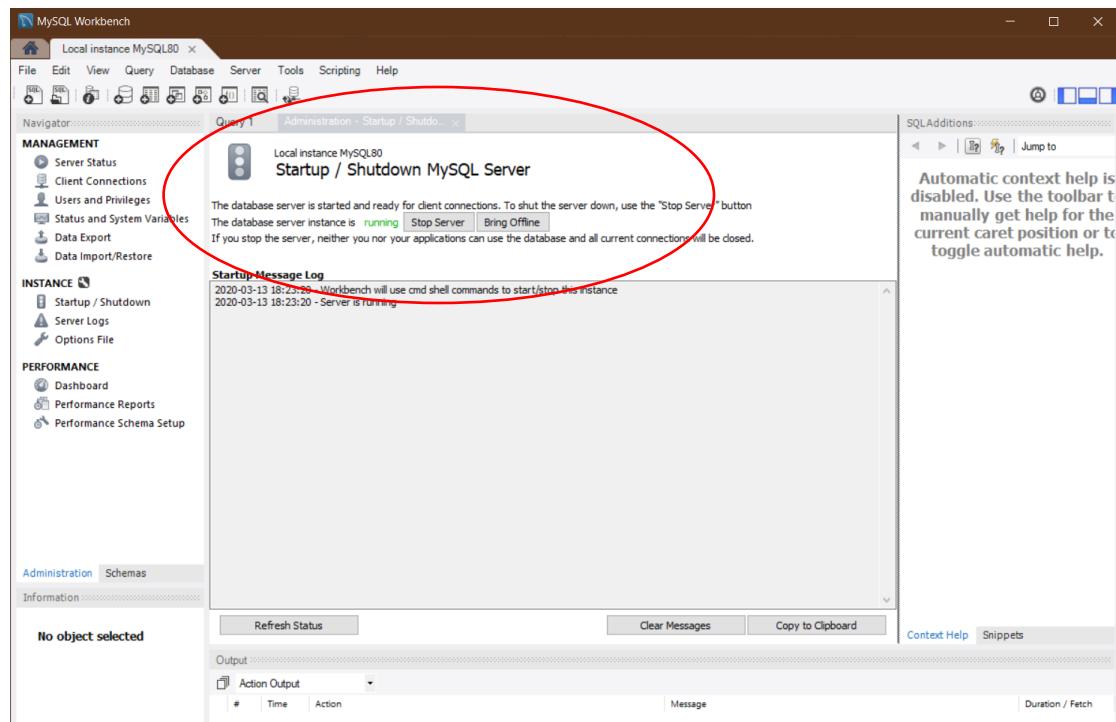
28) Click on **Local Instance MySQL80** and enter root account password (from [Step 16](#))



29) Click on **Server** and then **Startup/Shutdown**

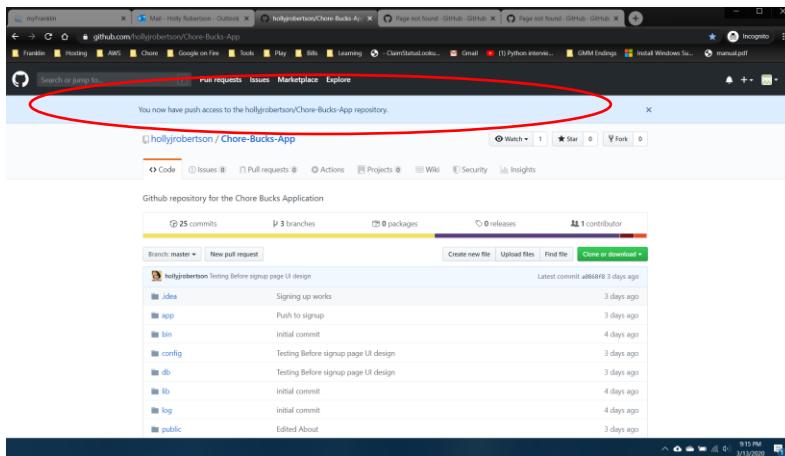
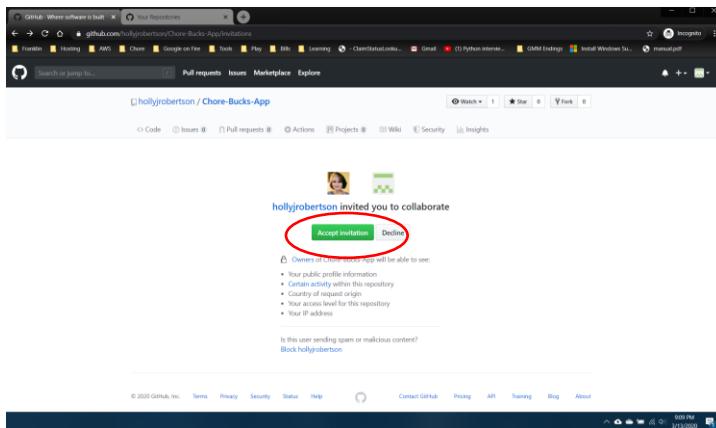
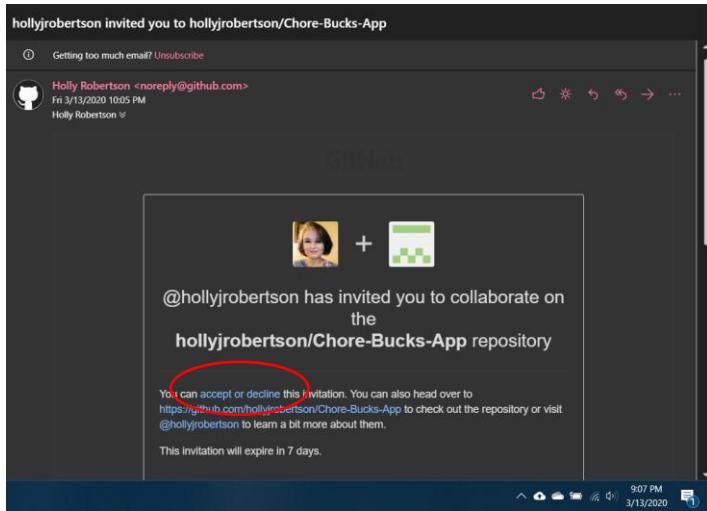


30) Verify MySQL Server is **running**

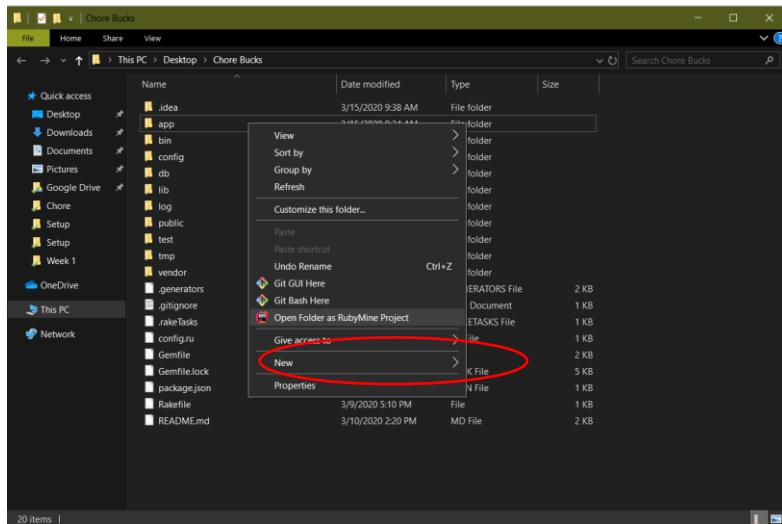


C. Setup MySQL on Local Environment

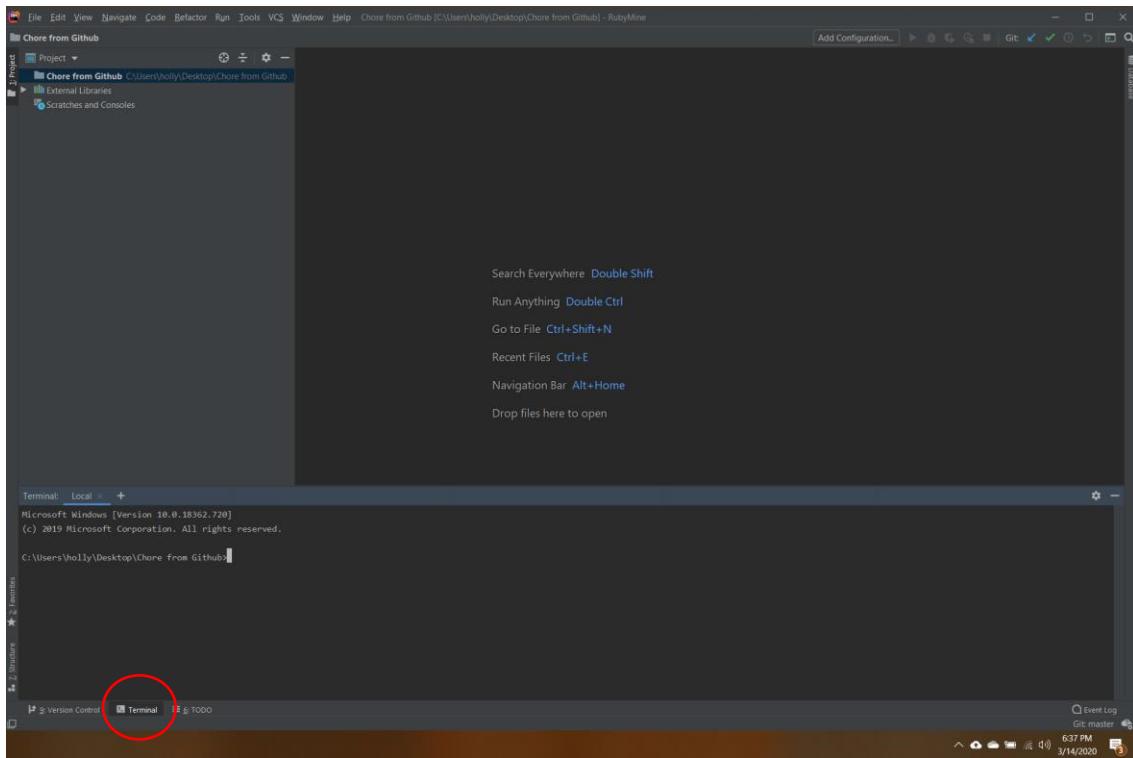
- 1) You should have received an invite to Collaborate on the **hollyjrobertson/Chore-Bucks-App** repository. Please **accept** the invitation:



- 2) [Watch this Video](#) for the following instructions
- 3) Create a folder that you want to pull the code into
- 4) Download and unzip all of the [files](#) into that newly created folder
- 5) Right click in the Folder and **Open Folder as RubyMine Project**

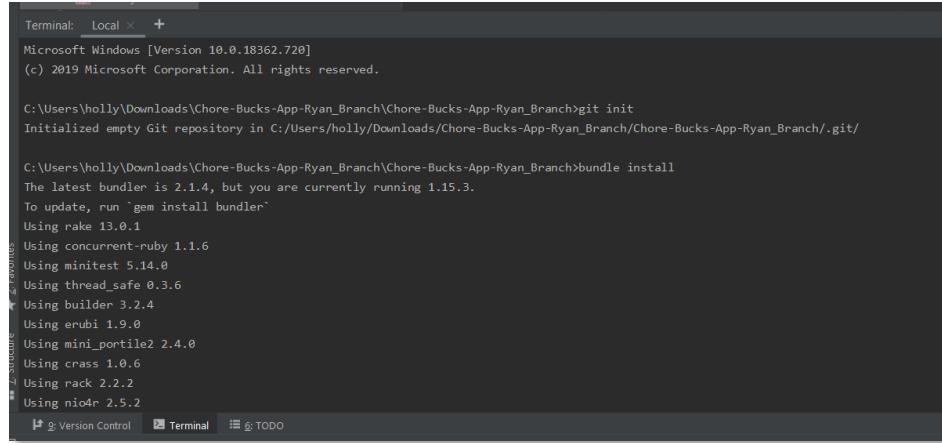


- 6) Open Terminal



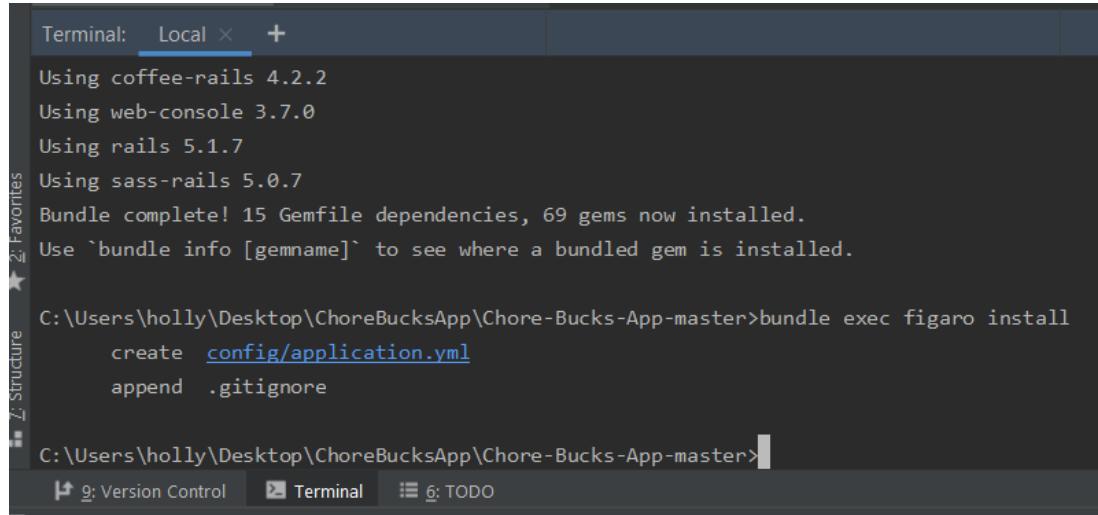
7) Type the following into the command line prompt window

- a. *git init*
- b. *bundle install* and then Enter



```
Terminal: Local +  
Microsoft Windows [Version 10.0.18362.720]  
(c) 2019 Microsoft Corporation. All rights reserved.  
  
C:\Users\holly\Downloads\Chore-Bucks-App-Ryan_Branch\Chore-Bucks-App-Ryan_Branch>git init  
Initialized empty Git repository in C:/Users/holly/Downloads/Chore-Bucks-App-Ryan_Branch/Chore-Bucks-App-Ryan_Branch/.git/  
  
C:\Users\holly\Downloads\Chore-Bucks-App-Ryan_Branch\Chore-Bucks-App-Ryan_Branch>bundle install  
The latest bundler is 2.1.4, but you are currently running 1.15.3.  
To update, run `gem install bundler`  
Using rake 13.0.1  
Using concurrent-ruby 1.1.6  
Using minitest 5.14.0  
Using thread_safe 0.3.6  
Using builder 3.2.4  
Using erubis 1.9.0  
Using mini_portile2 2.4.0  
Using crass 1.0.6  
Using rack 2.2.2  
Usingnio4r 2.5.2  
Using ffi 1.11.3  
Using faraday 1.0.0  
Using jbuilder 2.11.2  
Using rails-dom-testing 2.0.3  
Using sassc 1.3.2  
Using sassc-rails 2.1.1  
Using sprockets 4.0.2  
Using sprockets-rails 3.2.1  
Using turbolinks-source 5.1.1  
Using turbolinks 5.2.0  
Using uglifier 3.2.0  
Using coffee-script-source 1.12.2  
Using coffee-rails 4.2.2  
Using web-console 3.7.0  
Using rails 5.1.7  
Using sass-rails 5.0.7  
Bundle complete! 15 Gemfile dependencies, 69 gems now installed.  
Use `bundle info [gemname]` to see where a bundled gem is installed.
```

- c. *bundle exec figaro install* and click Enter



```
Terminal: Local +  
Using coffee-rails 4.2.2  
Using web-console 3.7.0  
Using rails 5.1.7  
Using sass-rails 5.0.7  
Bundle complete! 15 Gemfile dependencies, 69 gems now installed.  
Use `bundle info [gemname]` to see where a bundled gem is installed.  
  
C:\Users\holly\Desktop\ChoreBucksApp\Chore-Bucks-App-master>bundle exec figaro install  
create config/application.yml  
append .gitignore  
  
C:\Users\holly\Desktop\ChoreBucksApp\Chore-Bucks-App-master>
```

8) Open your Environment Variables file (config/application.yml)

```

# Add configuration values here, as shown below.

# pusher_app_id: "2954"
# pusher_key: 7381a978f7dd7f9a1117
# pusher_secret: abdc308960fffb85d373
# stripe_api_key: sk_test_2J0L093Oyf72XUYJHE4Dv2r
# stripe_publishable_key: pk_test_r0bjVSSNwOb1yYLQfG17LHK

# production:

# stripe_api_key: sk_live_EetmL644i6zo4Iyq4uIKdV9H
# stripe_publishable_key: pk_live_9Lcthp5Thb@mjd094101XVU

```

Using rails 5.1.7
Using sass-rails 5.0.7
Bundle complete! 15 Gemfile dependencies, 69 gems now installed.
Use 'bundle info [gemname]' to see where a bundled gem is installed.

```
C:\Users\holly\Desktop\ChoreBucksApp\Chore-Bucks-App-master>bundle exec figaro install
  create config/application.yml
  append .gitignore
```

C:\Users\holly\Desktop\ChoreBucksApp\Chore-Bucks-App-master>

9) Add & Edit the following to your Environment Variables file and **Save Project**:

```

db_adapter: "mysql2"
db_encoding: "utf8"
db_username: "<credentials from Step 16>"  

db_password: "<credentials from Step 16>"  

db_host: "localhost"

dev_db_name: "chore_bucks_app_development"

test_db_name: "chore_bucks_app_test"

```

```

db_adapter: "mysql2"
db_encoding: "utf8"
db_username: "<credentials from Step 16>"  

db_password: "<credentials from Step 16>"  

db_host: "localhost"

dev_db_name: "chore_bucks_app_development"

test_db_name: "chore_bucks_app_test"

```

10) Open the About Home page Variables file (app/views/about/index.html.erb)

11) Edit Your Individual Contact information and **Save Project**

The screenshot shows a developer's workspace with several tabs open. The main tab displays a file named 'About.html' with code related to an 'About' section. A red oval highlights a specific block of code where a developer named 'Shiva' has made changes:

```
<div class="text-white w-90h80 can-Chore-Bucks do you?</div>
<hr class="border-top border-white-5px w-90h80">
```

Below this, a message from Shiva reads: "Haha! I'm so happy to see my changes are merged!"

At the bottom of the code editor, a status bar indicates: "Externally added file can be added to tf, /view file, /Always Add, /Don't Ask Again (2 minutes ago)".

The terminal window shows a successful git push operation:

```
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forward' in 'git push --help' for details.

C:\Users\Shiva\Desktop\Chore Bucks>git push origin Shiva_Branch
Counting objects: 1, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (1/1), done.
Writing objects: 100% (1/1), done.
To https://github.com/Shiva-1995/Shiva-Bucks.git
 * [new branch] Shiva_Branch -> Shiva_Branch (forced update)

C:\Users\Shiva\Desktop\Chore Bucks>branch
 Shiva_Branch
 master

C:\Users\Shiva\Desktop\Chore Bucks[ ]
```

12) Type in the Terminal

a. *rake db:create*

```
Terminal: Local × +  
C:\Users\holly\Desktop\ChoreBucksApp\Chore-Bucks-App-master>bundle exec figaro install  
    create config/application.yml  
    append .gitignore  
  
C:\Users\holly\Desktop\ChoreBucksApp\Chore-Bucks-App-master>rake db:create  
Created database 'chore_bucks_app_development'  
Created database 'chore_bucks_app_test'
```

b. rake db:migrate

```
Terminal: Local +  
C:\Users\holly\Desktop\ChoreBucksApp\Chore-Bucks-App-master>rake db:migrate  
== 20200310171758 CreateUsers: migrating ======  
-- create_table(:users)  
  -> 0.0989s  
== 20200310171758 CreateUsers: migrated (0.0994s) ======  
  
C:\Users\holly\Desktop\ChoreBucksApp\Chore-Bucks-App-master>
```

- c. *git add .* (might have to add -f: ‘*git add . -f*’) **Warnings are file – keeping add files

```

Terminal: Local + 
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in test/fixtures/users.yml.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in test/models/user_test.rb.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in test/system/users_test.rb.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in test/test_helper.rb.
The file will have its original line endings in your working directory

C:\Users\holly\Downloads\Chore-Bucks-App-Ryan_Branch\Chore-Bucks-App-Ryan_Branch>git add .

C:\Users\holly\Downloads\Chore-Bucks-App-Ryan_Branch\Chore-Bucks-App-Ryan_Branch>git commit -m "Initial commit from Ryan"

```

- d. *git commit -m “Initial commit from <name>”*

```

Terminal: Local + 
C:\Users\holly\Desktop\Chore Project\Chore-Bucks-App>git add .

C:\Users\holly\Desktop\Chore Project\Chore-Bucks-App>git commit -m "Initial commit from Ryan"
[Ryan_branch (root-commit) a9349ff] Initial commit from Ryan
 183 files changed, 65412 insertions(+)
 create mode 100644 .gitignore
 create mode 100644 .idea/generators
 create mode 100644 .idea/.gitignore
 create mode 100644 .idea/.rakeTasks
 create mode 100644 .idea/chore_bucks_app.iml
 create mode 100644 .idea/inspectionProfiles/Project_Default.xml
 create mode 100644 .idea/msc.xml
 create mode 100644 .idea/modules.xml
 create mode 100644 .idea/vcs.xml
 create mode 100644 Gemfile
 create mode 100644 README.md
 create mode 100644 Rakefile
 create mode 100644 app/assets/config/manifest.js
 create mode 100644 app/assets/images/logo.png
 create mode 100644 app/assets/images/welcome.jpg
 create mode 100644 app/assets/javascripts/about.coffee
 create mode 100644 app/assets/javascripts/application.js

```

- e. *git remote add origin <https://github.com/hollyjrobertson/Chore-Bucks-App.git>*

***** THIS NEXT STEP IS VITAL *****

You are overwriting the current remote master file with your updated commit. Please make sure you have only changed the local files only per the instructions in this document or Contact Holly for further assistance

- f. *git push origin master* **Rejection ok, try again with -f (Ex: *git push origin master -f*)

```

Terminal: Local + 
create mode 100644 test/test_helper.rb
create mode 100644 tmp/keep
create mode 100644 vendor/keep

C:\Users\holly\Downloads\Chore-Bucks-App-Ryan_Branch\Chore-Bucks-App-Ryan_Branch>git remote add origin https://github.com/hollyjrobertson/Chore-Bucks-App.git
To https://github.com/hollyjrobertson/Chore-Bucks-App.git
! [rejected]        master --> master (fetch first)
error: failed to push some refs to 'https://github.com/hollyjrobertson/Chore-Bucks-App.git'
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushing
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

C:\Users\holly\Downloads\Chore-Bucks-App-Ryan_Branch\Chore-Bucks-App-Ryan_Branch>git push origin master -f
Enumerating objects: 1008 (209/202), done.
Counting objects: 1008 (209/202), done.
Delta compression using up to 4 threads.
Compressing objects: 1008 (194/194), done.
Writing objects: 1008 (200/202), done.
  100% (200/202) 16.4 kB | 3.57 MiB/s, done.
remote: Resolving deltas: 100% (194/194), done.
To https://github.com/hollyjrobertson/Chore-Bucks-App.git
 * [forced update] 0bhdha...0huade master --> master (forced update)

```

***** THIS NEXT STEP IS VITAL *****

To prevent any overwriting of the current remote master, I have created a Branch for each of us. The next step, you are going to create a local git branch that will match the remote git branch. You will only work out of this branch. Feel free to make other branches as you wish, but please merge all mandatory weekly changes to your remote Name_Branch on Github.

- g. *git checkout -b Name_Branch* (Creating a local git branch to match the remote Github branch)
- h. *git add .*
- i. *git commit -m "Commit from Name Branch"*

```
Terminal: Local +  
C:\Users\holly\Desktop\Chore Bucks>git checkout -b Shiva_Branch  
Switched to a new branch 'Shiva_Branch'  
  
C:\Users\holly\Desktop\Chore Bucks>git add .  
  
C:\Users\holly\Desktop\Chore Bucks>git commit -m "Commit from Shiva Branch"  
On branch Shiva_Branch  
nothing to commit, working tree clean
```

- j. *git push origin Name_Branch* (Pushing local Name_Branch to remote Name_Branch)
****Rejection ok, try again with -f (Ex: git push origin Ryan_Branch -f)**

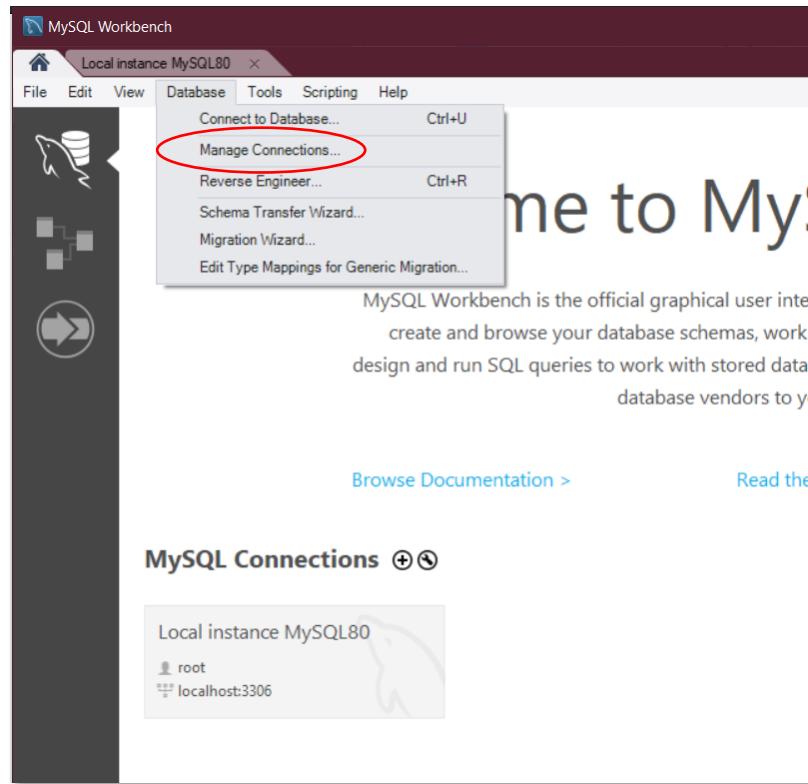
```
Terminal: Local +  
C:\Users\holly\Desktop\Chore Bucks>git push origin Shiva_Branch  
To https://github.com/hollyjrobertson/Chore-Bucks-App.git  
! [rejected]      Shiva_Branch -> Shiva_Branch (fetch first)  
error: failed to push some refs to 'https://github.com/hollyjrobertson/Chore-Bucks-App.git'  
hint: Updates were rejected because the remote contains work that you do  
hint: not have locally. This is usually caused by another repository pushing  
hint: to the same ref. You may want to first integrate the remote changes  
hint: (e.g., 'git pull ...') before pushing again.  
hint: See the 'Note about fast-forwards' in 'git push --help' for details.  
  
C:\Users\holly\Desktop\Chore Bucks>git push origin Shiva_Branch -f  
Total 0 (delta 0), reused 0 (delta 0)  
To https://github.com/hollyjrobertson/Chore-Bucks-App.git  
+ 6bb9da7...d49ff43 Shiva_Branch -> Shiva_Branch (forced update)
```

- k. *git branch* **This is the only branch you will push too, you OWN this branch

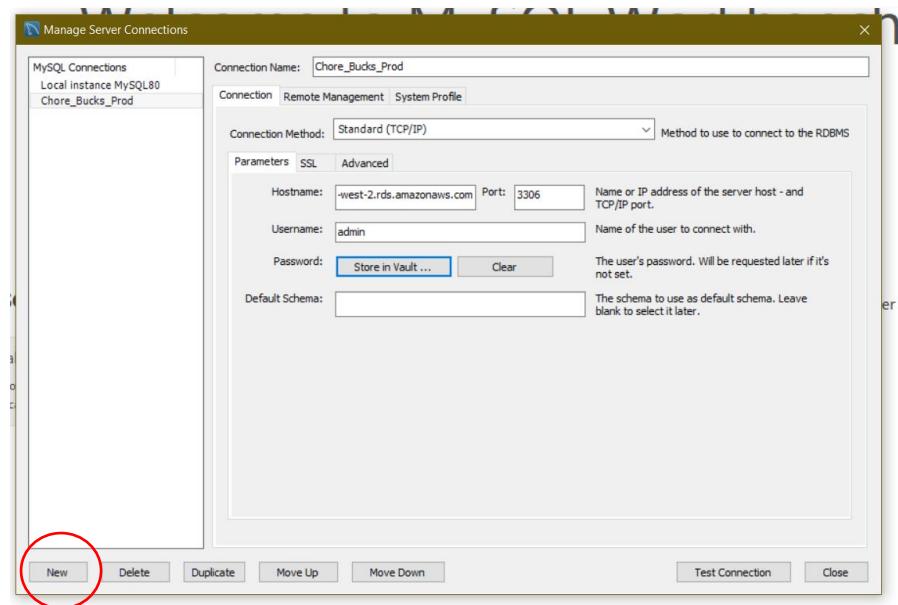
```
2: F  
★ C:\Users\holly\Desktop\Chore Bucks>git branch  
* Shiva_Branch  
  master  
  
C:\Users\holly\Desktop\Chore Bucks>
```

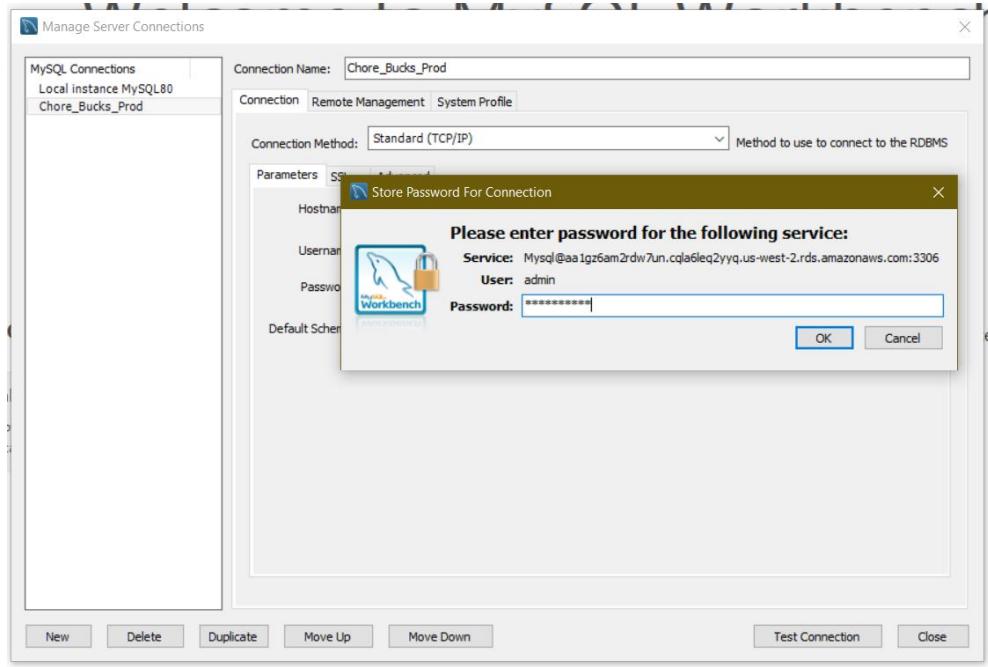
D. Connect to MySQL Production Database

- 1) Click on **Database** and then **Manage Connections**

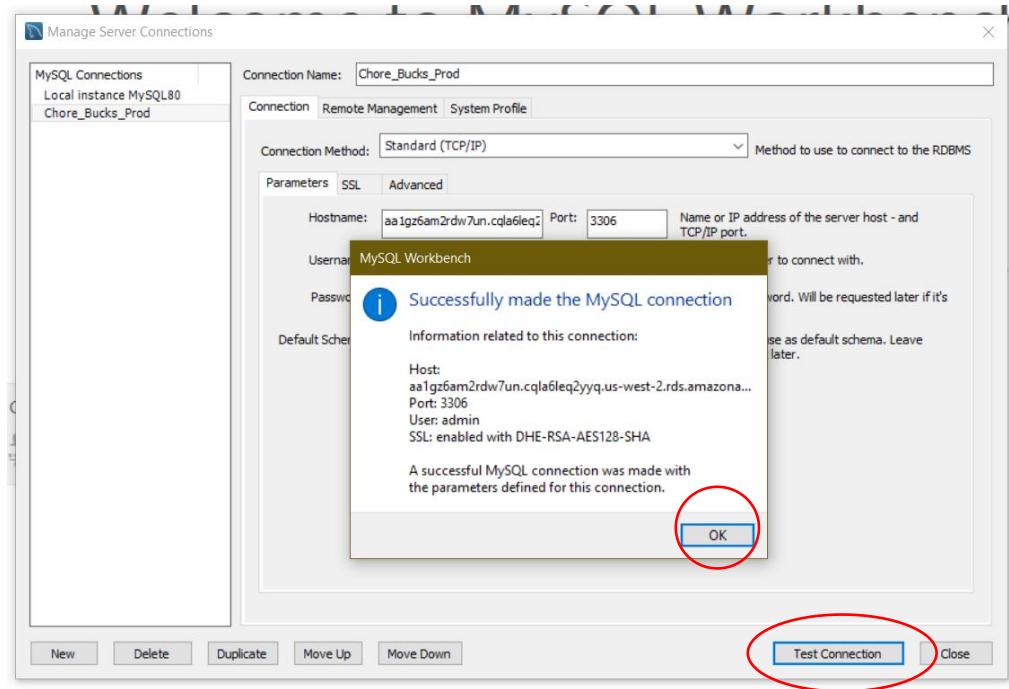


- 2) Click **New** and enter **credentials** (Delivered via email) for Chore Bucks Production Database (RDS via AWS)





- 3) Click **Test Connection** – you should get a “Successfully made the MySQL Connection” pop-up



- 4) Open the Database Connection you just made
- 5) Type the following into the **Query 1** section
 - i. *USE ebdb;*
 - ii. *SELECT * from users;*
- 6) You should see all the users that have signed up for the Chore Bucks Application.

The screenshot shows the MySQL Workbench interface with the following details:

- Navigator:** MANAGEMENT (Server Status, Client Connections, Users and Privileges, Status and System Variables, Data Export, Data Import/Restore).
- INSTANCE:** Startup / Shutdown, Server Logs, Options File.
- PERFORMANCE:** Dashboard, Performance Reports, Performance Schema Setup.
- Administration:** Schemas, Information (No object selected).
- Query Editor:** Title: Query 1, Content:

```
1 use ebdb;
2 • select * from users;
```

, Result Grid (highlighted with a blue arrow), Form Editor, Field Types, Query Stats.
- Output:** Title: users 1, Content: Action Output table showing two rows of activity.

#	Time	Action	Message	Duration / Fetch
1	20:50:58	use ebdb	0 row(s) affected	0.094 sec
2	20:50:58	select * from users LIMIT 0, 1000	5 row(s) returned	0.079 sec / 0.000 sec