

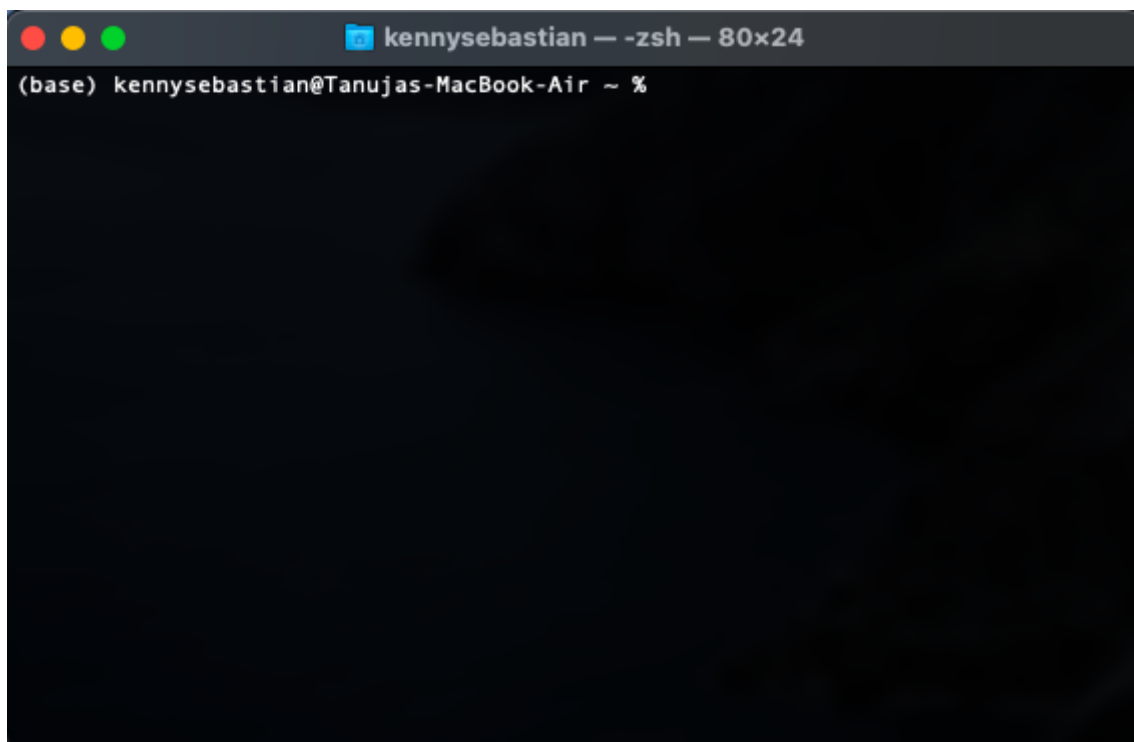
## MYSQL INSTALLATION GUIDE FOR macOS

There are two popular ways to install MySQL on macOS.

1. Using Homebrew (Free and open-source software package management system that simplifies the installation of software on Apple's operating system)
  2. Using Native Packages
- 

### Using HomeBrew

**Step 1:** Open the Terminal. (shortcut:- “Command + Space Bar” will open Spotlight Search, Type “Terminal” in the dropbox to open terminal)



**Step 2:** Install MySQL using homebrew.

Run: “brew install mysql”

The above command should take a while, then print something like this:

```

Last login: Wed Dec 22 14:19:48 on ttys001
(base) kennysebastian@Tanujas-MacBook-Air ~ % brew install mysql
Updating Homebrew...
==> Auto-updated Homebrew!
Updated 4 taps (homebrew/core, homebrew/cask, homebrew/services and mongodb/brew).
==> New Formulae
abi-compliance-checker      imap-backup                  regula
abi-dumper                   isa-l                        rizin
atmos                         java-service-wrapper        rpki-client
biber                         jsonschema                  rustfmt
brigade-cli                  kube-score                   salt-lint
btop                          kubernetes-cli@1.22         sevenzip
cava                          kubeval                      sigrok-cli
cgif                          libsoup@2                    smug
chroma                        libxls                       solargraph
corepack                     lua-language-server          spdix-sbom-generator
coursier                     luau                         statix
cri-tools                     mcfly                       swiftplantuml
djhtml                        mist                         symengine
dynomite                     mt32emu                     tailscale
fastfec                      openliberty-jakartaee9      tfmigrate
fastp                         openliberty-webprofile9     tfproviderlint
fisher                       pam-reattach                 tilt
fnlfmt                       payload-dumper-go           tsduck
git-branchless               pdf2djvu                     twty
goawk                         php@8.0                      urlwatch
goplus                       pip-audit                    vtable-dumper
gotify                       pip-tools                    west
hurl                          pocsuite3                   youtubeuploader

==> Updated Formulae
Updated 3235 formulae.
==> Renamed Formulae
rt-audio -> rtaudio
==> Deleted Formulae
amap          eject          henplus        m2c            soundpipe
ape           es             httptunnel     magnetix        srmio
balance       eventlog       jerasure       makepp          svdlibc
bbcolors     flasm          kakasi         marst           swiftplate
colorsvn     fondu          l-smash        mboxgrep        torrentcheck
contacts     gconf          libbind        md              udns
csv-fix      gcore          liberasurecode namazu           whitedb
dlite        gf-complete    libmill        postmark        xidel
dnsrend      git-hooks     libopendkim    redsocks        xtail
drip         git-sh        libpuzzle      sdhash          zdelta
dshb         hardlink-osx  libvbucket     shorten

==> New Casks
actual        fs-uae-launcher  shortery
appflowy      fxfactory        sioyek
appium-inspector grammarly-desktop sitala
avtouchbar    handyprintpro    soothe2
azirevpn      inso             soundtoys
betterdummy   izotope-product-portal spaceid
billings-pro  letter-opener    supermjograph
black-ink     linearmouse      swiftplantumlapp
breitbandmessung ludwig           tablecruncher
buckets       macmorphoeus     teamspeak-client
centered      macrorecorder    tentacle-sync-studio
citrix-workspace mana-security     textsniper
clips-ide     monterey-cache-cleaner tidgi
codeql        moradownloader   todoist
coffitivity-offline notch-simulator  toland-qlmarkdown
cron          pd-runner         ultracopier
datasette     pichon            unipro-ugene

```

```

==> Installing mysql dependency: ca-certificates
==> Pouring ca-certificates--2021-10-26.all.bottle.tar.gz
==> Regenerating CA certificate bundle from keychain, this may take a while...
📦 /usr/local/Cellar/ca-certificates/2021-10-26: 3 files, 208.5KB
==> Installing mysql dependency: openssl@1.1
==> Pouring openssl@1.1--1.1.1m.big_sur.bottle.tar.gz
📦 /usr/local/Cellar/openssl@1.1/1.1.1m: 8,081 files, 18.5MB
==> Installing mysql dependency: libevent
==> Pouring libevent--2.1.12.big_sur.bottle.tar.gz
📦 /usr/local/Cellar/libevent/2.1.12: 57 files, 2MB
==> Installing mysql dependency: lz4
==> Pouring lz4--1.9.3.big_sur.bottle.tar.gz
📦 /usr/local/Cellar/lz4/1.9.3: 22 files, 657.8KB
==> Installing mysql dependency: six
==> Pouring six--1.16.0_2.all.bottle.1.tar.gz
📦 /usr/local/Cellar/six/1.16.0_2: 20 files, 122.3KB
==> Installing mysql dependency: protobuf
==> Pouring protobuf--3.17.3_1.big_sur.bottle.tar.gz
📦 /usr/local/Cellar/protobuf/3.17.3_1: 263 files, 19.3MB
==> Installing mysql dependency: zstd
==> Pouring zstd--1.5.0.big_sur.bottle.tar.gz
📦 /usr/local/Cellar/zstd/1.5.0: 31 files, 3.5MB
==> Installing mysql
==> Pouring mysql--8.0.27.big_sur.bottle.tar.gz
==> /usr/local/Cellar/mysql/8.0.27/bin/mysqld --initialize-insecure --user=kenny
==> Caveats

```

We've installed your MySQL database without a root password. To secure it run:  
mysql\_secure\_installation

MySQL is configured to only allow connections from localhost by default

To connect run:  
mysql -uroot

To restart mysql after an upgrade:

```
brew services restart mysql
```

Or, if you don't want/need a background service you can just run:

```
/usr/local/opt/mysql/bin/mysqld_safe --datadir=/usr/local/var/mysql
```

```
==> Summary
```

```
📦 /usr/local/Cellar/mysql/8.0.27: 304 files, 294MB
```

```
==> `brew cleanup` has not been run in the last 30 days, running now...
```

Disable this behaviour by setting HOMEBREW\_NO\_INSTALL\_CLEANUP.

Hide these hints with HOMEBREW\_NO\_ENV\_HINTS (see `man brew`).

Removing: /Users/kennysebastian/Library/Caches/Homebrew/gradle--7.2... (139.7MB)

Removing: /Users/kennysebastian/Library/Caches/Homebrew/openjdk--17... (180.1MB)

Removing: /Users/kennysebastian/Library/Logs/Homebrew/gradle... (64B)

Removing: /Users/kennysebastian/Library/Logs/Homebrew/openjdk... (64B)

Pruned 0 symbolic links and 8 directories from /usr/local

```
==> Caveats
```

```
==> mysql
```

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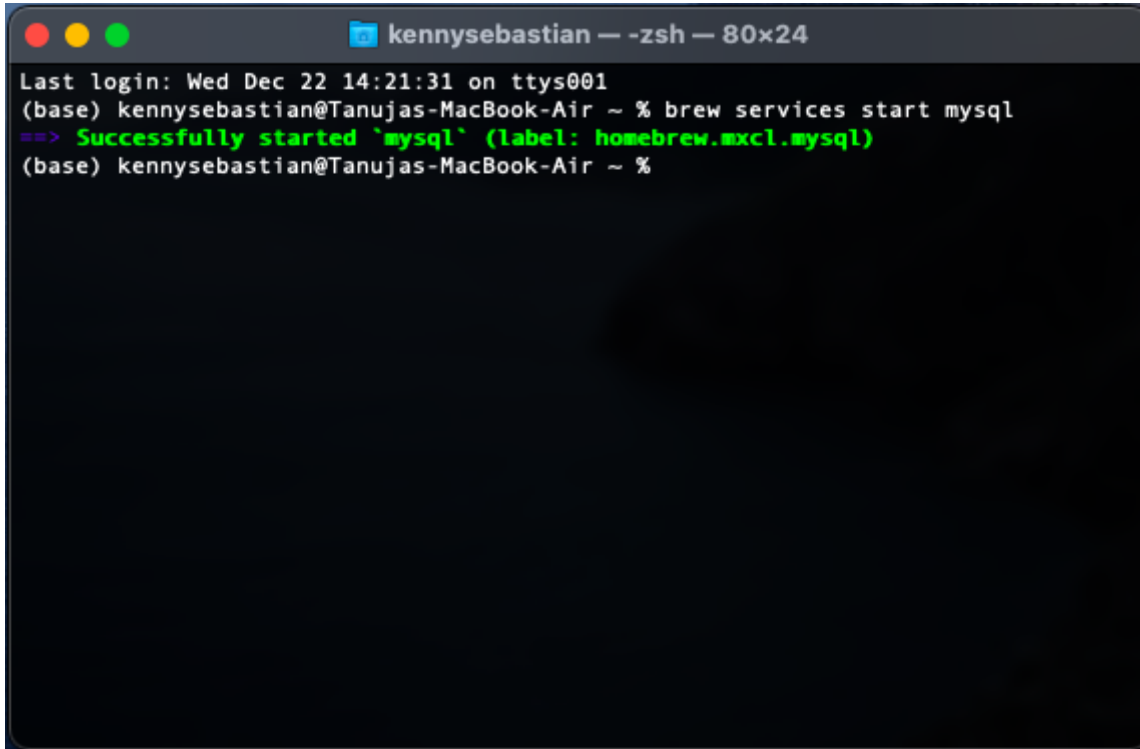
Or, if you don't want/need a background service you can just run:

```
/usr/local/opt/mysql/bin/mysqld_safe --datadir=/usr/local/var/mysql
```

```
(base) kennysebastian@Tanujas-MacBook-Air ~ %
```

**Step 3:** We can now start the MySQL server by running:

Run: `brew services start mysql`





```
kennysebastian — -zsh — 80x24
Last login: Wed Dec 22 14:21:31 on ttys001
(base) kennysebastian@Tanujas-MacBook-Air ~ % brew services start mysql
==> Successfully started `mysql` (label: homebrew.mxcl.mysql)
(base) kennysebastian@Tanujas-MacBook-Air ~ %
```

- Now we need to secure the MySQL server. By default the server comes without a root password, so we need to make sure it's protected.  
Run: `mysql_secure_installation`
  - Since we used `brew services` to start `mysql` to start MySQL, your Mac will restart it at reboot. You can run: `brew services stop mysql`
  - To stop this from happening, and also to immediately stop MySQL. You can also avoid this daemon mode (that's what we call programs that always run in the background and restart when the computer is restarted) by running.  
Run: `mysql.server start`
  - This will start MySQL and will keep it running until the computer is shut down, or until you run: `mysql.server stop` and it will not re-start it at reboot.
  - After entering this command on the terminal, it will ask you for your password. You have to fill in your system password and enter.
-

## Using Native Packages

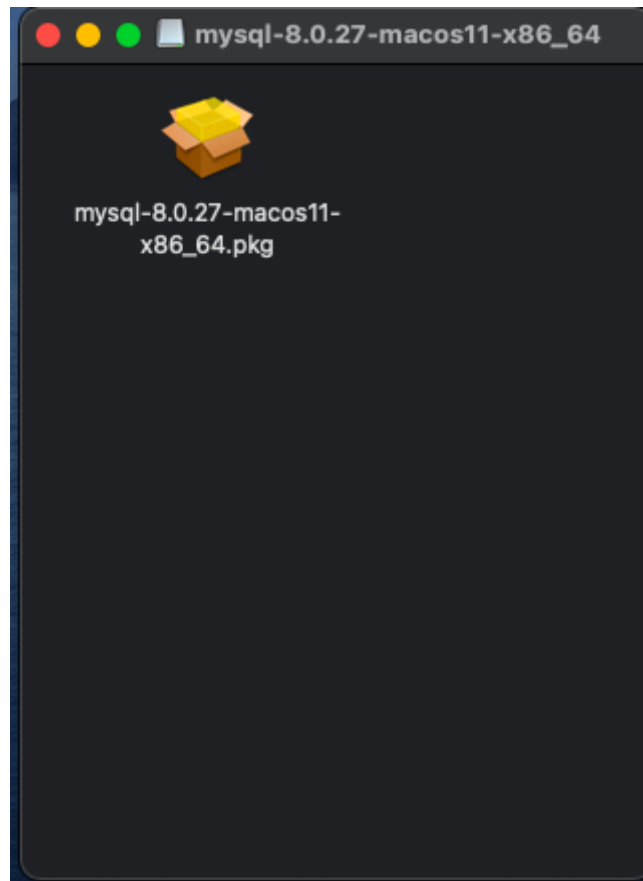
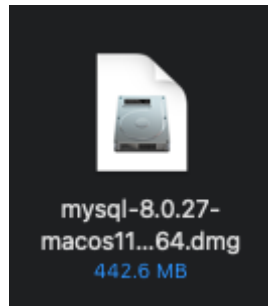
**Step 1:** Download the disk image (.dmg) file using the below-mentioned link that contains the MySQL package installer. Double-click the file to mount the disk image and see its contents.

Disk Image: <https://dev.mysql.com/downloads/mysql/>

 Packages for Big Sur (11) on x86 are compatible with Catalina (10.15)			
<b>macOS 11 (ARM, 64-bit), DMG Archive</b> (mysql-8.0.27-macos11-arm64.dmg)	8.0.27	416.4M	<a href="#">Download</a>
MD5: 68f0fd1fbd0be128a1cb9463ad7446f7   <a href="#">Signature</a>			
<b>macOS 11 (x86, 64-bit), DMG Archive</b> (mysql-8.0.27-macos11-x86_64.dmg)	8.0.27	422.1M	<a href="#">Download</a>
MD5: a865a7b4455253be0cbd148ca5bf7421   <a href="#">Signature</a>			
<b>macOS 11 (ARM, 64-bit), Compressed TAR Archive</b> (mysql-8.0.27-macos11-arm64.tar.gz)	8.0.27	165.8M	<a href="#">Download</a>
MD5: aba688984408a82b65fc0eba4032a127   <a href="#">Signature</a>			
<b>macOS 11 (x86, 64-bit), Compressed TAR Archive</b> (mysql-8.0.27-macos11-x86_64.tar.gz)	8.0.27	166.4M	<a href="#">Download</a>
MD5: e2d8bd704cd8e31110eea35b71f9f9ea   <a href="#">Signature</a>			
<b>macOS 11 (ARM, 64-bit), Compressed TAR Archive Test Suite</b> (mysql-test-8.0.27-macos11-arm64.tar.gz)	8.0.27	250.8M	<a href="#">Download</a>
MD5: 8134fa8ec0c76e5fe0bd13e87199981c   <a href="#">Signature</a>			
<b>macOS 11 (x86, 64-bit), Compressed TAR Archive Test Suite</b> (mysql-test-8.0.27-macos11-x86_64.tar.gz)	8.0.27	251.1M	<a href="#">Download</a>
MD5: 9fad5eac755b9d07e39b404f00538659   <a href="#">Signature</a>			
<b>macOS 11 (ARM, 64-bit), TAR</b> (mysql-8.0.27-macos11-arm64.tar)	8.0.27	434.0M	<a href="#">Download</a>
MD5: 7c84c1173c8bd20919a82ed8cb767b4e   <a href="#">Signature</a>			
<b>macOS 11 (x86, 64-bit), TAR</b> (mysql-8.0.27-macos11-x86_64.tar)	8.0.27	435.7M	<a href="#">Download</a>
MD5: c99c95a267a271d53c2b261e76d1c5e1   <a href="#">Signature</a>			
 We suggest that you use the <a href="#">MD5 checksums</a> and <a href="#">GnuPG signatures</a> to verify the integrity of the packages you download.			

**Step2:** Choose the Operating system and click on “Download”. Double-click the MySQL installer package from the disk. It is named according to the version of MySQL you have downloaded. For example, for MySQL server 8.0.27 it might be named mysql-8.0.27-macos-10.13-x86\_64.pkg.

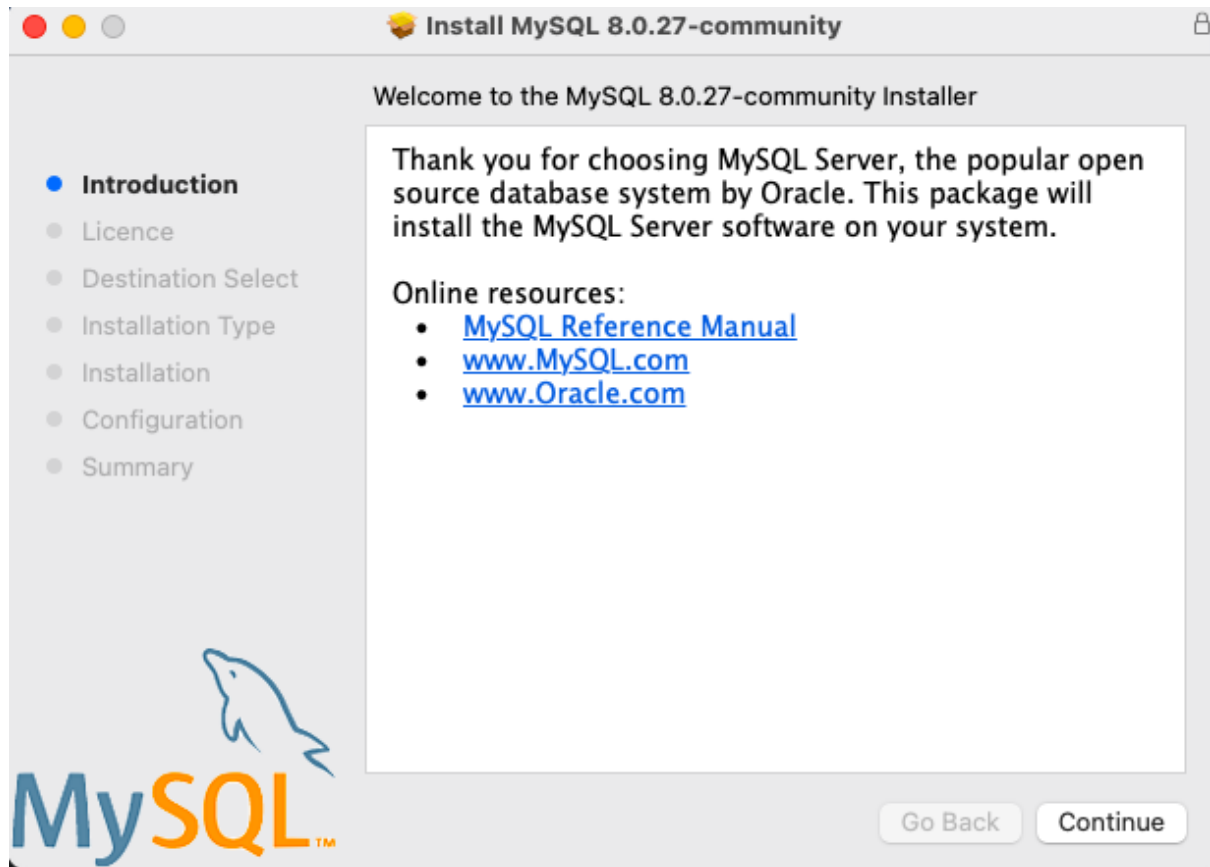
Double click on this .dmg file.



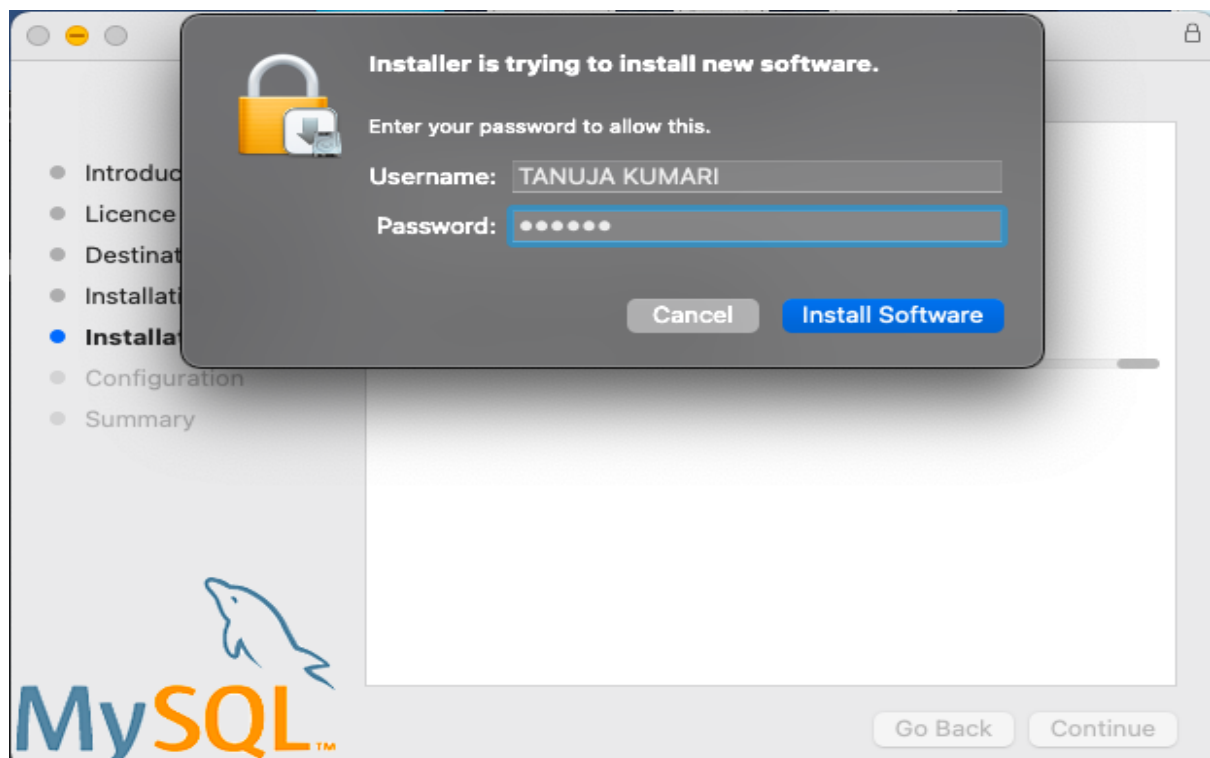
**Step3:** Double Click on the installation package.

Now,

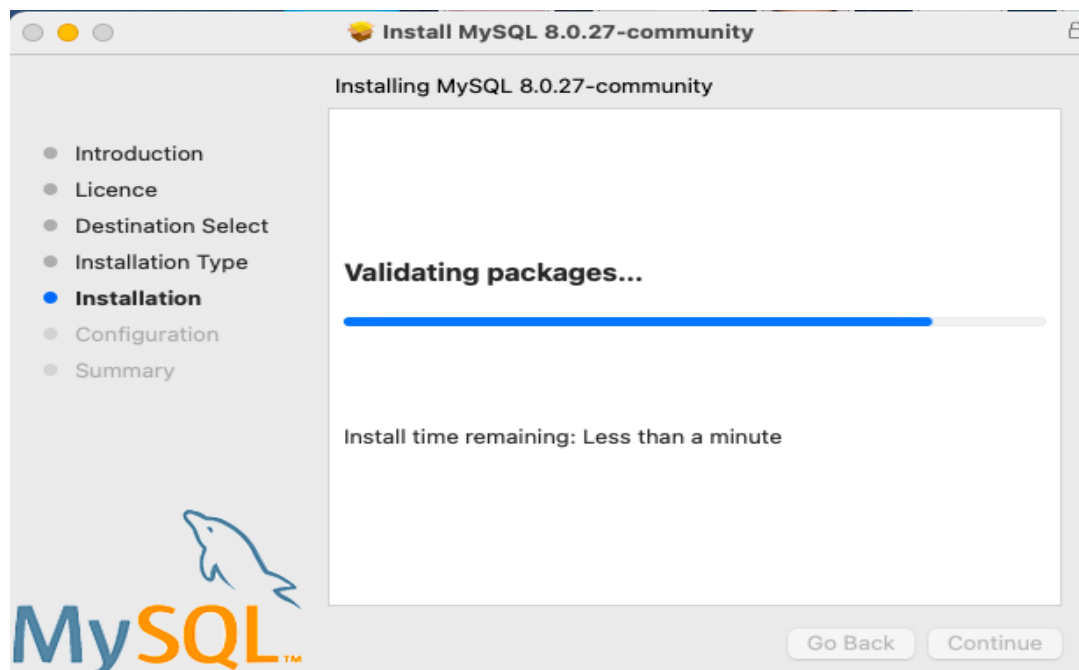
- The initial wizard introduction screen references the MySQL server version to install. Click Continue to begin the installation.
- The MySQL community edition shows a copy of the relevant GNU General Public License. Click Continue and then Agree to continue.



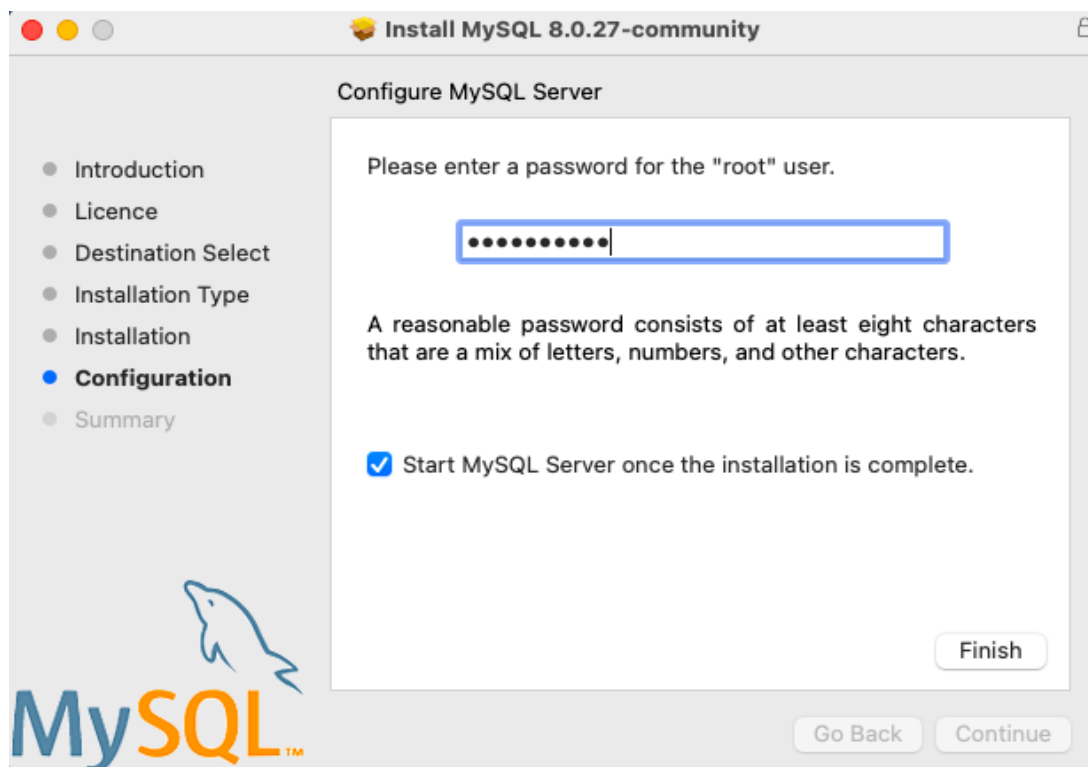
Step4: Enter your laptop's password for starting verification.



Installation starts now.



**Step5:** Set a password for the root user which will be used later. Define a password for the root user, and also toggle whether MySQL Server should start after the configuration step is complete.



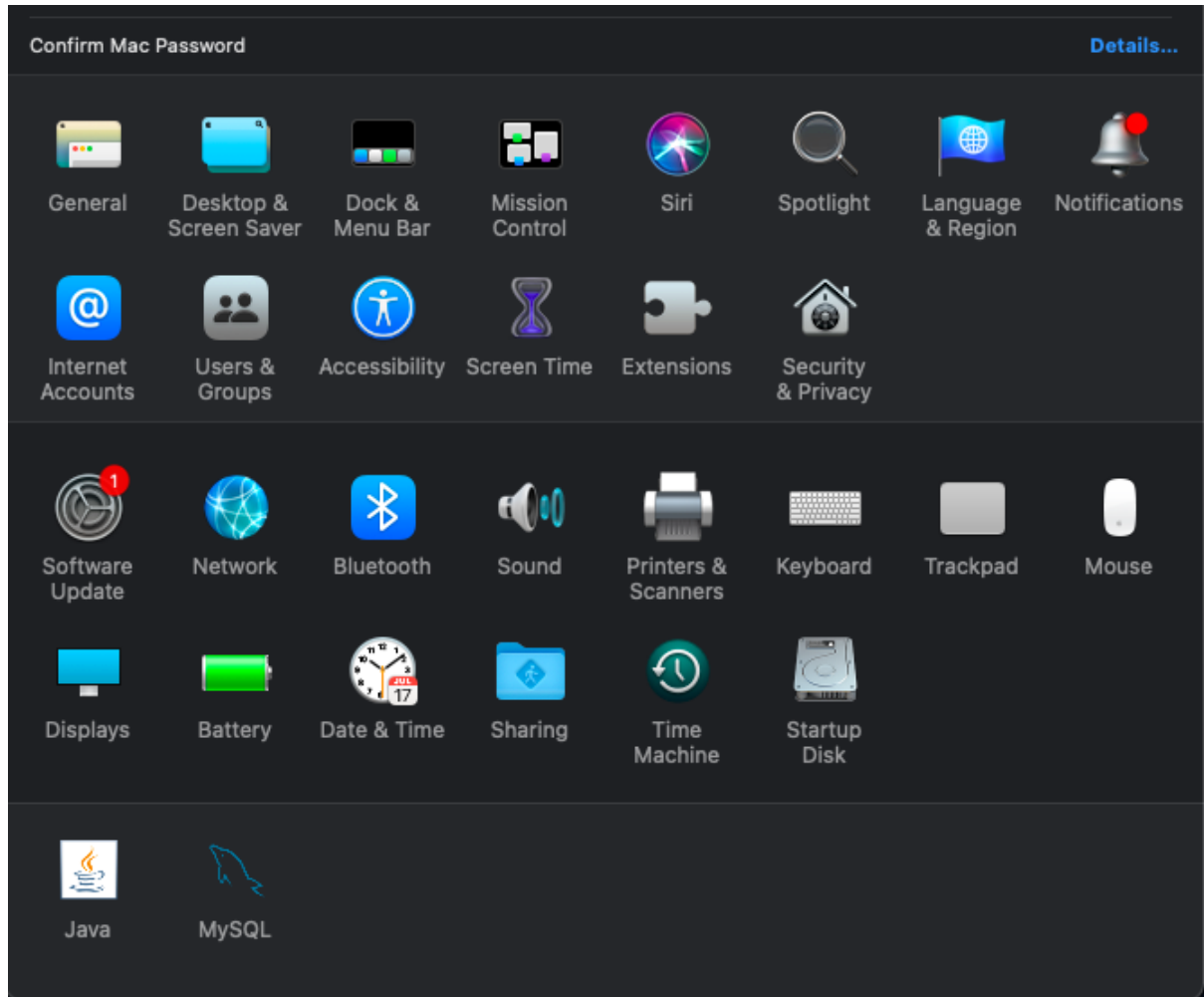


**Step 6:** This will install the package. You will be redirected to the summary page. Summary is the final step and references a successful and complete MySQL Server installation. Close the wizard.



**Step 7:** MySQL server is now installed. If you chose to start MySQL, then use either launch from the command line or start MySQL by clicking "Start" using the MySQL preference pane.

The MySQL icon will appear in the System Preferences pane at the bottom.



Double click on the icon to start or stop the MySQL server.

