

Exemplar: Create hash values

A lab exemplar is an optional resource that provides a completed model of the lab activity that precedes it. You may review this exemplar, or you may proceed to the next course item without reviewing it.

Instructions for reviewing the exemplar

If you choose to review the exemplar, click **Launch App** from this page, and then from the Qwiklabs page that opens, click **Start Lab**. Review the solutions provided in the exemplar. If you choose, you can also enter these solutions in the lab environment.

If you only want to review particular sections of the lab, you can go directly to those sections and skip others. The lab activity and the exemplar are organized with the same tasks.

When you have finished reviewing the exemplar, click **End Lab** from within the lab. Additionally, sometimes you need to refresh your Coursera page in order for your progress to be registered. If you refresh this page after you complete your lab, the green check mark should appear. **Disclaimer:** For optimal performance and compatibility, it is recommended to use either **Google Chrome** or **Mozilla Firefox** browsers while accessing the labs.

Instructions for proceeding without reviewing the exemplar

If you do not need to review any sections of the lab, you can proceed to the next course item without opening the exemplar. In this case, a green check mark will *not* appear to indicate that you have completed this item, but this is okay. The exemplar is optional.

Best practices for completing labs:

- Make sure your browser is up to date with the latest version.
- Make sure your internet connection is stable.
- After you complete the lab, leave the lab window open for at least 10 minutes in order to allow the system to record your progress.
- If you run into issues connecting to the lab, try logging into Coursera in an Incognito mode and completing the lab there.
- Review [Lab tips and troubleshooting steps](#)
- for more information.

This course uses a third-party app, Optional Exemplar: Create hash values, to enhance your learning experience. The app will reference basic information like your name, email, and Coursera ID.