



# Hands-on Practice with GitHub Codespaces

New LinkedIn Learning software development courses are now seamlessly integrated with a professional, enterprise-grade development environment – GitHub Codespaces

## Upskill your software development teams

Software developers can apply learning through hands-on practice using LinkedIn Learning's most up-to-date tech courses now paired with GitHub Codespaces. Your teams have access to over 50 (and growing) courses with real-world development environments that accelerate technical skill building.

### Accelerate technical skill building

- Tech skills are changing faster than ever. [LinkedIn Economic Graph Data](#) shows that **software and IT skills have changed over 30% in the last 5 years** and that change is accelerating.
- With LinkedIn's access to the latest skills data, we have developed the tech training that teams need to be successful in a constantly changing landscape.
- And now, LinkedIn Learning is partnering with GitHub Codespaces, as the first-to-market learning platform to enable seamless access from our tech training to GitHub Codespaces for hands-on practice.
- Learners at any stage of their tech skill journey can follow along with expert tech instructors and engage in three different practice methods in today's most popular programming languages.

### What is GitHub Codespaces?

- GitHub Codespaces is a professional, enterprise-grade workplace tool from GitHub that software developers are likely to encounter in the workplace, making skill building more directly and easily applicable in day-to-day work.
- Developers will spend more time learning and less time on setup. Learners practice in GitHub Codespaces' cloud-based, isolated in-browser development environment expertly set up by LinkedIn Learning instructors – allowing risk-free learning on any machine in seconds.
- With LinkedIn Learning and GitHub Codespaces, learners can access learning and practice to quickly work from any device in any browser and hand off to a desktop.

### What is GitHub?

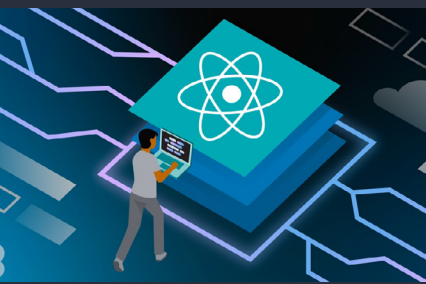
GitHub is a Microsoft-owned company that offers a complete software development platform to build, scale, and deliver secure software.

### Did you know?

GitHub is used by over

**83M**  
developers

around the globe and over **90%** of Fortune 100 companies.

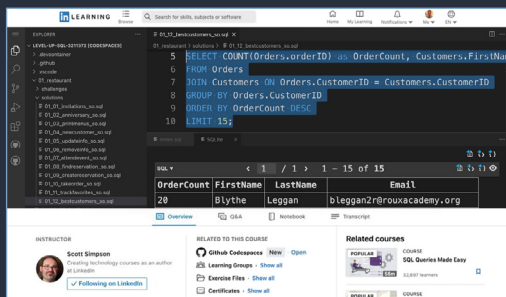


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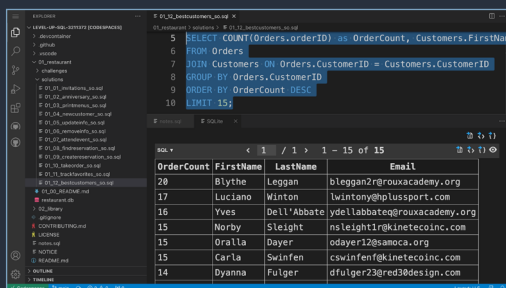
## How it works

Learners taking any of the 50+ courses that integrate with GitHub Codespaces are able to go directly from the LinkedIn Learning course page to a newly created codespace in GitHub in which to practice.



**LinkedIn Learning Course with GitHub Codespaces integration**  
Course: Level Up: SQL  
Instructor: Scott Simpson, LinkedIn Technology Author

- Developers will open their own codespace based on a LinkedIn Learning course's preconfigured exercise files repository and will have instant access to the files running in the browser. There isn't a download/upload step involved, and they never need to use local resources, such as their development computer's file system.



**LinkedIn Learning configured GitHub Codespaces**  
Course: Level Up: SQL  
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- Developers will get up to 60 hours per month free\* with GitHub Codespaces, which will support most learners' needs. While LinkedIn Learning provides seamless access to GitHub Codespaces, learners will be directly linked with GitHub accounts. So in the rare case that more time is needed, learners can use GitHub's pay-as-you-go pricing.

## More on LinkedIn Learning GitHub Codespaces-Enabled Courses

- LinkedIn Learning is launching 50 GitHub Codespace-enabled courses in November 2022 and will release 50 additional courses in the first half of 2023.
- Courses will cover the six most in-demand programming languages – Python, SQL, Java, Go, PHP, and JavaScript – plus topics in AI, Machine Learning, and Data Science. We will expand into other languages, like Rust, in the future.
- Three different practice methods (Hands-On Introduction, Practice It, and Level Up) are available in each of the above programming languages, so that no matter what stage of skill building a developer is at – just starting out or advanced – they have the right level of learning and practice.
- Courses will release in English, French, Spanish, and German.
- Course Highlights
  - Hands-On Introduction: Java
  - Practice It: SQL Joins
  - Level Up: Advanced Python
  - Data Cleaning in Python Essential Training
  - Machine Learning with Python: Logistic Regression

**LinkedIn Learning**  
**GitHub Codespaces Integrated Courses - On-Demand Mapping**

GitHub Codespaces accelerates technical skill building with hands-on practice in a real-world development environment. Programming language courses provide three levels of practice, so learners at any stage can accelerate skill building.

**Hands-On Introduction:** Get guided hands-on practice using GitHub Codespaces to learn a new language or brush up on the fundamentals with guided step-by-step instructions.

**Practice It:** Test your skills in a pre-assessment to guide you to the right level of practice within the course and take a post-assessment to gauge what you've learned. Courses include discount links to major learning tool providers.

**Level Up:** Each introduction of the Level Up series offers at least 15 bite-sized opportunities to practice programming at various levels of difficulty, so you can challenge yourself and reinforce what you've learned.

**Table of Contents, per category:**  
Click on a link below to go directly to the section for a full list of courses mapped to that skill or topic.

Programming Language	Hands-On Introduction	Practice It	Level Up
Python	Python: Data Science, AI, Tools & Technologies	Python: Data Science, AI, Tools & Technologies	Python: Data Science, AI, Tools & Technologies
SQL	SQL: Data Science, AI, Tools & Technologies	SQL: Data Science, AI, Tools & Technologies	SQL: Data Science, AI, Tools & Technologies
JavaScript	JavaScript: Data Science, AI, Tools & Technologies	JavaScript: Data Science, AI, Tools & Technologies	JavaScript: Data Science, AI, Tools & Technologies
Java	Java: Data Science, AI, Tools & Technologies	Java: Data Science, AI, Tools & Technologies	Java: Data Science, AI, Tools & Technologies
PHP	PHP: Data Science, AI, Tools & Technologies	PHP: Data Science, AI, Tools & Technologies	PHP: Data Science, AI, Tools & Technologies
Go	Go: Data Science, AI, Tools & Technologies	Go: Data Science, AI, Tools & Technologies	Go: Data Science, AI, Tools & Technologies
Rust	Rust: Data Science, AI, Tools & Technologies	Rust: Data Science, AI, Tools & Technologies	Rust: Data Science, AI, Tools & Technologies
AI	AI: Data Science, AI, Tools & Technologies	AI: Data Science, AI, Tools & Technologies	AI: Data Science, AI, Tools & Technologies
Machine Learning	Machine Learning: Data Science, AI, Tools & Technologies	Machine Learning: Data Science, AI, Tools & Technologies	Machine Learning: Data Science, AI, Tools & Technologies
Data Science	Data Science: Data Science, AI, Tools & Technologies	Data Science: Data Science, AI, Tools & Technologies	Data Science: Data Science, AI, Tools & Technologies

List of courses available on the [LinkedIn Learning Customer Success Center](https://learning.linkedin.com/product/hands-on-practice) starting November 9th

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