

Practical courses

The screenshot shows the Katacoda website for the 'Learn Git Version Control' course. The page features a navigation bar with links for 'LEARN', 'CREATE', 'FOR LEAD GEN', 'FOR EVENTS', 'FOR DEVREL', 'FOR TEAMS', 'CLAIM YOUR PROFILE', and 'LOG OUT'. Below the navigation bar, there are eight scenario cards arranged in two rows. Each card has a title, a brief description, and a 'Repeat Scenario' button. The scenarios are:

- Scenario 5 - Fixing Merge Conflicts: Learn how to fix merge conflicts then they occur.
- Scenario 6 - Experiments Using Branches: Learn how to create branches of master for experimenting and prototyping ideas.
- Scenario 7 - Finding Bugs: Learn how to find commits related to bugs and issues with code.
- Scenario 8 - Being Picky With Git: Learn how to pick certain commits and changes from other repositories.
- Scenario 9 - Re-writing History: Learn how to re-write history when required.
- Playground: Use Git in a safe playground environment.
- Your Content Here: Add your own content to Katacoda and share your experience or product with the community.

The bottom of the page shows a Windows taskbar with the date 28/12/2020 and time 18:31.

Lab 101

The screenshot shows the Katacoda website for the 'Git SCM - Lab 101' scenario. The page features a navigation bar with links for 'CLAIM YOUR PROFILE' and 'LOG OUT'. Below the navigation bar, there is a large blue banner with the text 'Congratulations! You've completed the scenario!' and a 'Scenario Rating' of five stars. Below the banner, there are three social media sharing buttons: 'Share Your Success' for LinkedIn, Twitter, and Facebook. There are also two buttons: 'RESTART SCENARIO' and 'NEXT SCENARIO'. The right side of the page shows a 'Code Editor' window. The bottom of the page shows a Windows taskbar with the date 28/12/2020 and time 19:32.

Lab 102

The screenshot shows a web browser window with the URL <https://www.katacoda.com/aossama/scenarios/git-scm-lab-102>. The page features the O'Reilly Katacoda logo and navigation links for "CLAIM YOUR PROFILE" and "LOG OUT". A large blue banner displays "Congratulations!" and "You've completed the scenario!" with a five-star rating. Below this, a list of Git commands and their uses is provided. At the bottom, there are buttons for "Share Your Success" (LinkedIn, Twitter, Facebook), "RESTART SCENARIO", and "NEXT SCENARIO". The Windows taskbar at the bottom shows the time as 19:42 on 28/12/2020.

Git SCM - Lab 102 | aossama | X

<https://www.katacoda.com/aossama/scenarios/git-scm-lab-102>

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KATACODA OVERVIEW & SOLUTIONS

CLAIM YOUR PROFILE LOG OUT >

Congratulations!

You've completed the scenario!

Scenario Rating ★ ★ ★ ★ ★

The most important takeaways from this lab are:

- `git clone` is used to create a copy of a target repo
- `git remote` is used to create, view, and delete connections to other repositories
- `git push` is used to propagate changes on the local repository to remote repository
- `git fetch` is used to download objects and refs from another repository
- `git pull` is used to fetch from and integrate with another repository or a local branch

Share Your Success Share Your Success Share Your Success

RESTART SCENARIO NEXT SCENARIO

19:42
28/12/2020

Lab 201

The screenshot shows a web browser window with the URL <https://www.katacoda.com/aossama/scenarios/git-scm-lab-201>. The page features the O'Reilly Katacoda logo and navigation links for "CLAIM YOUR PROFILE" and "LOG OUT". A large blue banner displays "Congratulations!" and "You've completed the scenario!" with a five-star rating. Below this, a list of Git commands and their uses is provided. At the bottom, there are buttons for "Share Your Success" (LinkedIn, Twitter, Facebook), "RESTART SCENARIO", and "NEXT SCENARIO". The Windows taskbar at the bottom shows the time as 19:55 on 28/12/2020.

Git SCM - Lab 201 | aossama | X

<https://www.katacoda.com/aossama/scenarios/git-scm-lab-201>

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CLAIM YOUR PROFILE LOG OUT >

Congratulations!

You've completed the scenario!

Scenario Rating ★ ★ ★ ★ ★

The most important takeaways from this lab are:

- `git checkout` can be used to create branches, switch branches, and checkout remote branches
- `git branch` commands primary functions are to create, list, rename and delete branches
- `git tag` is used to create semantic version number identifier tags that correspond to software release cycles
- `git merge` is used to combine multiple sequences of commits into one unified history
- `git rebase`
- `git reset`

Share Your Success Share Your Success Share Your Success

RESTART SCENARIO NEXT SCENARIO

19:55
28/12/2020

Lab 202

The screenshot shows a web browser window with the Katakoda website. The browser's address bar displays the URL <https://www.katacoda.com/aossama/scenarios/git-scm-lab-202>. The website header includes the O'Reilly Katakoda logo, the text "KATACODA OVERVIEW & SOLUTIONS", and links for "CLAIM YOUR PROFILE" and "LOG OUT".

The main content area features a large blue banner with the text "Congratulations!" and "You've completed the scenario!". Below this, it shows a "Scenario Rating" of five stars. A message states: "Now that you have an understanding of the projects you will use throughout this course, let's get started!".

There are four buttons in the center: "Share Your Success" (with LinkedIn icon), "Share Your Success" (with Twitter icon), "Share Your Success" (with Facebook icon), and "RESTART SCENARIO". To the right, there is a partially visible "Code Editor" window.

The Windows taskbar at the bottom shows the time as 20:00 on 28/12/2020, with system icons for volume, network, and language (ENG).