

Міністерство освіти і науки України
Черкаський національний університет імені Богдана Хмельницького
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Кафедра прикладної математики та інформатики

Дисципліна: **Вступ до фаху**

ЗВІТ
з лабораторної роботи №11
Тема: «Основи роботи з Git»

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Черкаси 2025

Завдання 1. Виконати наступні завдання у Git.

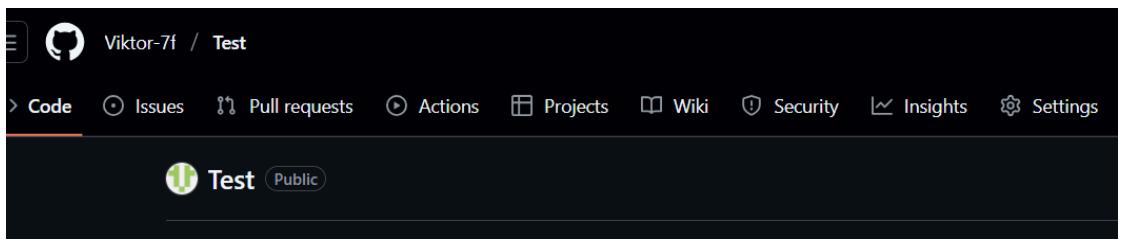
<i>Завдання</i>	<i>Результат</i>
Крок 1	—
Крок 2	Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work (main) \$ git commit -m "Initial Commit" [main (root-commit) 979e3e8] Initial Commit 1 file changed, 1 insertion(+) create mode 100644 hello.html
Крок 3	Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work (main) \$ git status On branch main nothing to commit, working tree clean
Крок 4	Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work (main) \$ git status On branch main Changes not staged for commit: (use "git add <file>..." to update what will be committed) (use "git restore <file>..." to discard changes in working directory) modified: hello.html no changes added to commit (use "git add" and/or "git commit -a")
Крок 5	Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work (main) \$ git add hello.html git status warning: in the working copy of 'hello.html', LF will be replaced by CRLF the next time Git touches it On branch main Changes to be committed: (use "git restore --staged <file>..." to unstage) modified: hello.html
Крок 6	Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work (main) \$ git add a.html git add b.html git commit -m "Changes for a and b" git add c.html git commit -m "Unrelated change to c" fatal: pathspec 'a.html' did not match any files fatal: pathspec 'b.html' did not match any files [main 37aef19] Changes for a and b

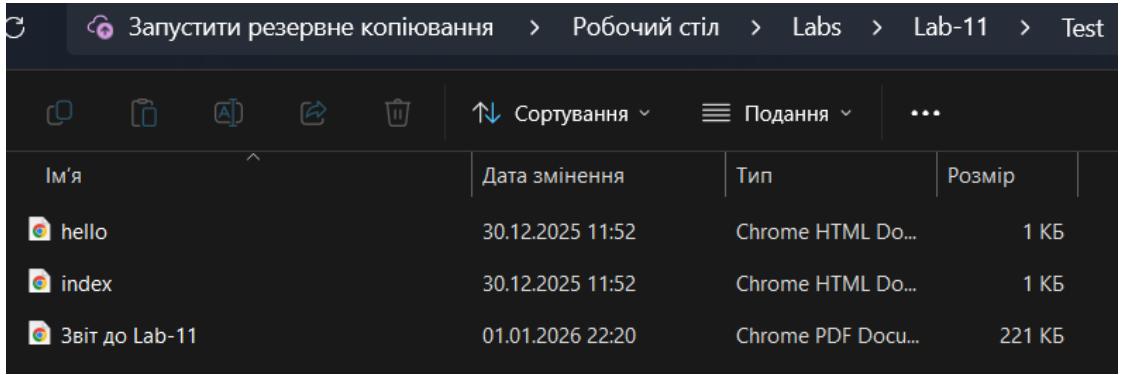
	1 file changed, 1 insertion(+), 1 deletion(-) fatal: pathspec 'c.html' did not match any files On branch main nothing to commit, working tree clean
Krok 7	Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work (main) \$ git status On branch main nothing to commit, working tree clean
Krok 8	Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work (main) \$ git commit -m "Added HTML header" [main 710e2e0] Added HTML header 1 file changed, 2 insertions(+), 1 deletion(-)
Krok 9	Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work (main) \$ git log --pretty=format:"%h %ad %s%d [%an]" --date=short 710e2e0 2025-12-30 Added HTML header (HEAD -> main) [Viktor] 59d0a6b 2025-12-30 Added standard HTML page tags [Viktor] 37aef19 2025-12-30 Changes for a and b [Viktor] 979e3e8 2025-12-30 Initial Commit [Viktor] Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work (main) \$ git config --global format.pretty '%h %ad %s%d [%an]' git config --global log.date short
Krok 10	Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work (main) \$ git switch main cat hello.html Already on 'main' <html> <head> </head> <body> <h1>Hello, World!</h1> </body> </html>
Krok 11	Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work ((v1-beta)) \$ git log main --all 710e2e0 2025-12-30 Added HTML header (tag: v1, main) [Viktor] 59d0a6b 2025-12-30 Added standard HTML page tags (HEAD, tag: v1-beta) [Viktor] 37aef19 2025-12-30 Changes for a and b [Viktor] 979e3e8 2025-12-30 Initial Commit [Viktor]

Крок 18	<pre>Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work (style) \$ git add hello.html git commit -m "Included stylesheet into hello.html" [style 4808713] Included stylesheet into hello.html 1 file changed, 4 insertions(+), 1 deletion(-)</pre>
Крок 19	<pre>Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work (main) \$ git switch style cat hello.html Switched to branch 'style' <!-- Author: Viktor (biletskyi.viktor1625@vu.cdu.edu.ua) --> <html> <head> <link type="text/css" rel="stylesheet" media="all" href="style.css" /> </head> <body> <h1>Hello, World!</h1> </body> </html></pre>
Крок 20	<pre>Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work (style) \$ git commit -m "Renamed hello.html; moved style.css" git log css/style.css git log --follow css/style.css [style d004016] Renamed hello.html; moved style.css 2 files changed, 0 insertions(+), 0 deletions(-) rename style.css => css/style.css (100%) rename hello.html => index.html (100%) d004016 2026-01-01 Renamed hello.html; moved style.css (HEAD -> style) [Viktor] d004016 2026-01-01 Renamed hello.html; moved style.css (HEAD -> style) [Viktor] d311c7e 2026-01-01 Added css stylesheet [Viktor]</pre>
Крок 21	<pre>Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work (style) \$ git switch main git add README git commit -m "Added README" error: Your local changes to the following files would be overwritten by checkout: css/style.css index.html Please commit your changes or stash them before you switch branches. Aborting On branch style Changes not staged for commit: (use "git add <file>..." to update what will be committed) (use "git restore <file>..." to discard changes in working directory) modified: css/style.css modified: index.html no changes added to commit (use "git add" and/or "git commit -a")</pre>

Крок 22	<pre>Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work (style) \$ git log --all --graph * 1fbf078 2026-01-01 Додано файл README (HEAD -> style) [Viktor] * d004016 2026-01-01 Renamed hello.html; moved style.css [Viktor] * 4808713 2026-01-01 Included stylesheet into hello.html [Viktor] * d311c7e 2026-01-01 Added css stylesheet [Viktor] * 710e2e0 2025-12-30 Added HTML header (tag: v1, main) [Viktor] * 59d0a6b 2025-12-30 Added standard HTML page tags (tag: v1-beta) [Viktor] * 37aef19 2025-12-30 Changes for a and b [Viktor] * 979e3e8 2025-12-30 Initial Commit [Viktor]</pre>
Крок 23	<pre>Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work (style) \$ git switch style git merge main git log --all --graph M css/style.css M index.html Already on 'style' CONFLICT (modify/delete): hello.html deleted in HEAD and modified in main. Version main of hello.html left in tree. Automatic merge failed; fix conflicts and then commit the result. * 1fbf078 2026-01-01 Додано файл README (HEAD -> style) [Viktor] * d004016 2026-01-01 Renamed hello.html; moved style.css [Viktor] * 4808713 2026-01-01 Included stylesheet into hello.html [Viktor] * d311c7e 2026-01-01 Added css stylesheet [Viktor] * 710e2e0 2025-12-30 Added HTML header (tag: v1, main) [Viktor] * 59d0a6b 2025-12-30 Added standard HTML page tags (tag: v1-beta) [Viktor] * 37aef19 2025-12-30 Changes for a and b [Viktor] * 979e3e8 2025-12-30 Initial Commit [Viktor]</pre>

Завдання 2. Виконати наступні завдання у GitHub.com

Крок 1	
Крок 2	https://github.com/Viktor-7f/Test.git

Крок 3	
Крок 4	<pre>Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/Lab-11 \$ cd Test</pre>
Крок 5	<pre>Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/Lab-11/Test (main) \$ git add . warning: in the working copy of 'hello.html', LF will be replaced by CRLF the next time Git touches it warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it</pre>
Крок 6	<pre>Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/Lab-11/Test (main) \$ git commit -m "Додано звіт та html файли" [main (root-commit) 94f1893] Додано звіт та html файли 3 files changed, 10 insertions(+) create mode 100644 hello.html create mode 100644 index.html create mode 100644 "\320\227\320\262\321\226\321\202 \320\264\320\276 Lab-11 .pdf"</pre>
Крок 7	<pre>Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/Lab-11/Test (main) \$ git push origin main info: please complete authentication in your browser... Enumerating objects: 5, done. Counting objects: 100% (5/5), done. Delta compression using up to 6 threads Compressing objects: 100% (4/4), done. Writing objects: 100% (5/5), 174.05 KiB 8.29 MiB/s, done. Total 5 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0) To https://github.com/Viktor-7f/Test.git * [new branch] main -> main</pre>