

Міністерство освіти і науки України  
Черкаський національний університет імені Богдана Хмельницького  
ННІ інформаційних та освітніх технологій

Кафедра прикладної математики та інформатики

Дисципліна: **Вступ до фаху**

**ЗВІТ**

з лабораторної роботи №11

Тема: «Основи роботи з Git»

Виконав студент спеціальності  
F1 Прикладна математика  
Білецький Віктор Олегович

**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

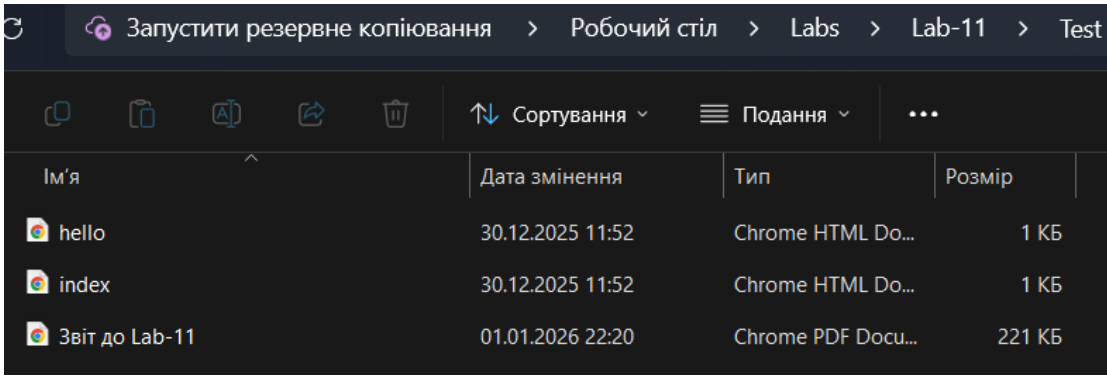
	1 file changed, 1 insertion(+), 1 deletion(-) fatal: pathspec 'c.html' did not match any files On branch main nothing to commit, working tree clean
Крок 7	Lenovo@DESKTOP-9K8N4PO MINGW64 /C/Users/Lenovo/Desktop/Labs/githowto/repositories/work (main) \$ git status On branch main nothing to commit, working tree clean
Крок 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(-)
Крок 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
Крок 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>
Крок 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' &lt;!-- Author: Viktor (biletskyi.viktor1625@vu.cdu.edu.ua) --&gt; &lt;html&gt;   &lt;head&gt;     &lt;link type="text/css" rel="stylesheet" media="all" href="style.css" /&gt;   &lt;/head&gt;   &lt;body&gt;     &lt;h1&gt;Hello, World!&lt;/h1&gt;   &lt;/body&gt; &lt;/html&gt; </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 =&gt; css/style.css (100%) rename hello.html =&gt; index.html (100%) d004016 2026-01-01   Renamed hello.html; moved style.css (HEAD -&gt; style) [Viktor] d004016 2026-01-01   Renamed hello.html; moved style.css (HEAD -&gt; 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 &lt;file&gt;..." to update what will be committed)   (use "git restore &lt;file&gt;..." 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 -&gt; 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 -&gt; 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	<a href="https://github.com/Viktor-7f/Test.git">https://github.com/Viktor-7f/Test.git</a>

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 -&gt; main</pre>