

Лабораториска Вежба 5

GitHub Actions/GitLab CI/CD

1. GitHub Actions

-creating dockerfile and index.html and pushing the changes to github repo

```
7.04.2025 20:04 <DIR> ..
7.04.2025 20:05 0 index.html
7.04.2025 20:04 11 README.md
2 File(s) 11 bytes
2 Dir(s) 131.997.356.032 bytes free

C:\Users\marija\Desktop\kiii-lab5\KIII-LAB5>git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Dockerfile
        index.html

nothing added to commit but untracked files present (use "git add" to track)

C:\Users\marija\Desktop\kiii-lab5\KIII-LAB5>git add .

C:\Users\marija\Desktop\kiii-lab5\KIII-LAB5>git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   Dockerfile
        new file:   index.html

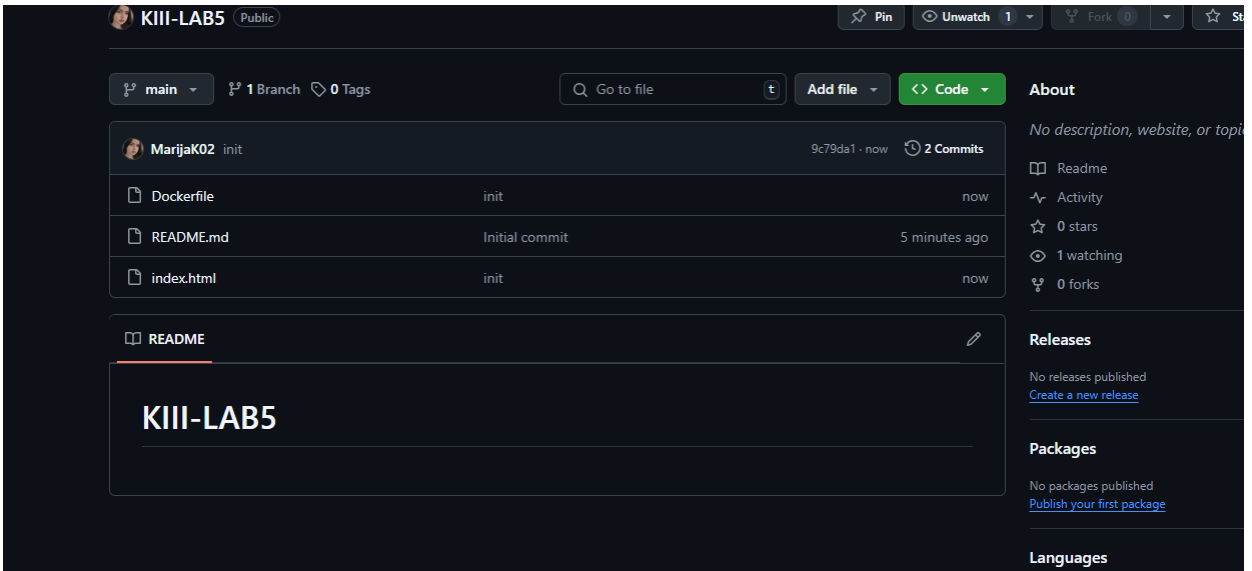
C:\Users\marija\Desktop\kiii-lab5\KIII-LAB5>
C:\Users\marija\Desktop\kiii-lab5\KIII-LAB5>git add .

C:\Users\marija\Desktop\kiii-lab5\KIII-LAB5>git status
On branch main
Your branch is up to date with 'origin/main'.

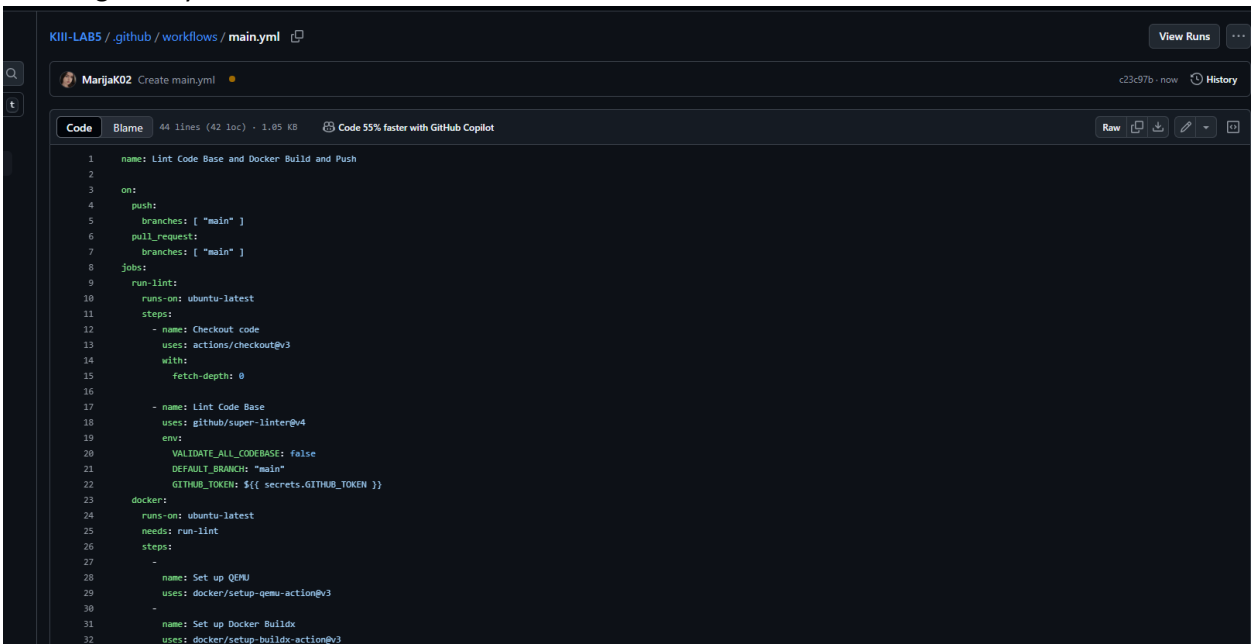
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   Dockerfile
        new file:   index.html

C:\Users\marija\Desktop\kiii-lab5\KIII-LAB5>git commit -m "init"
[main 9c79da1] init
 2 files changed, 12 insertions(+)
 create mode 100644 Dockerfile
 create mode 100644 index.html

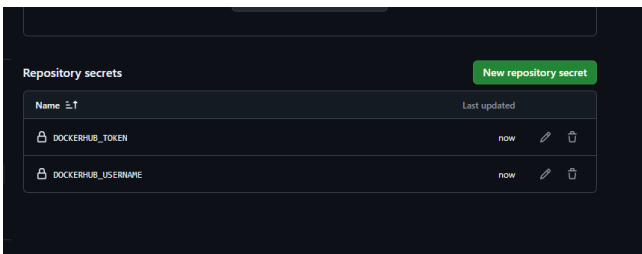
C:\Users\marija\Desktop\kiii-lab5\KIII-LAB5>git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 496 bytes | 496.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/MarijaK02/KIII-LAB5.git
 96b20d1..9c79da1  main -> main
```



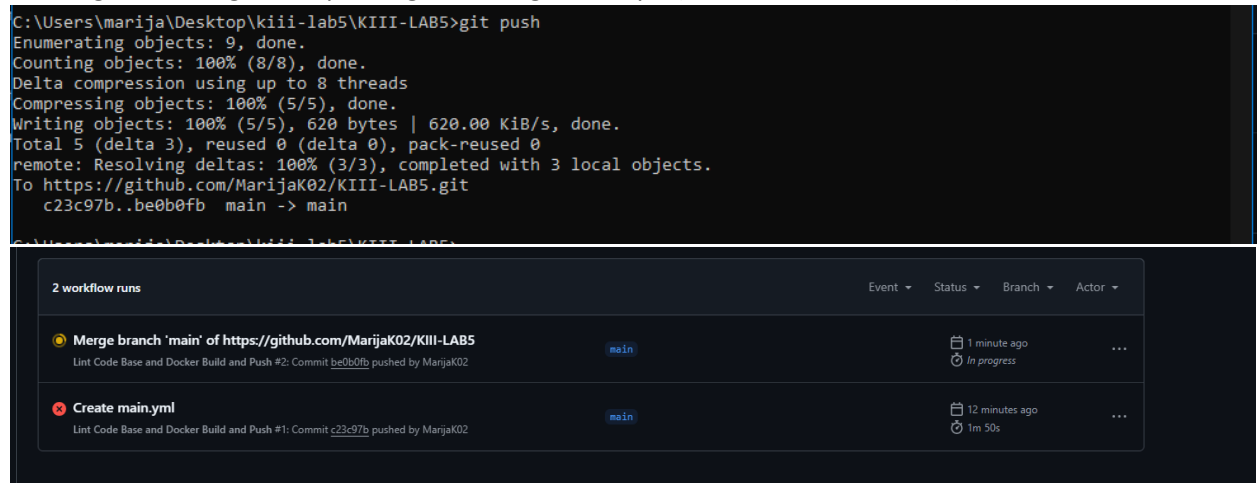
-creating main.yml



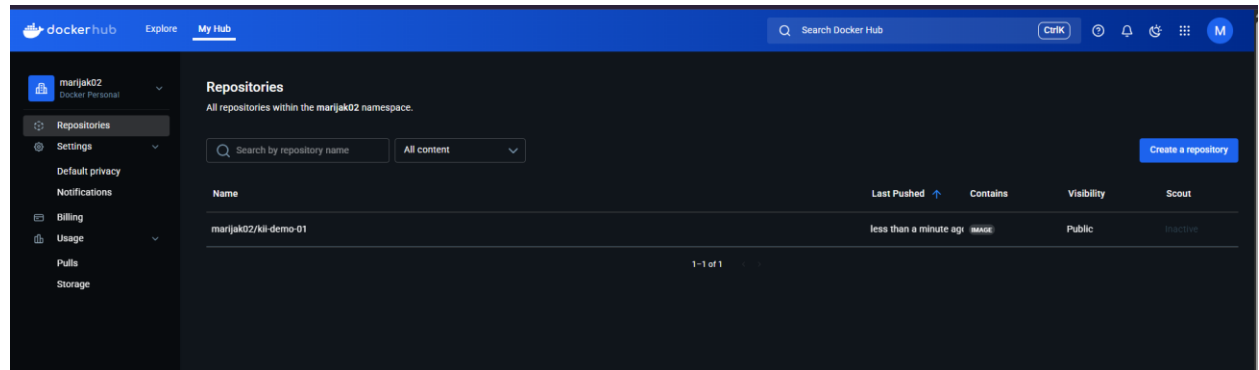
-creating secrets for Docker Hub credentials



-making new changes and pushing them to github repo (the action should start)



-The action ends successfully, a docker repository is created on DockerHub with new image



2. GitLab CI/CD

-creating Dockerfile, index.html and .yml file, and pushing them to the Gitlab repo






New file

[Cancel](#)[Commit changes](#)

main

[Apply a template](#)[No wrap](#)











```
1 stages:
2   - build
3
4 build_and_push:
5   stage: build
6   image: docker:latest
7   services:
8     - docker:dind
9   script:
10    - docker login -u "$DOCKERHUB_USERNAME" -p "$DOCKERHUB_PASSWORD"
11    - docker build -t $DOCKERHUB_USERNAME/docker-web-app:latest .
12    - docker push $DOCKERHUB_USERNAME/docker-web-app:latest
13 only:
14   - main
```

Name	Last commit	Last update
 .gitlab-ci.yml	Add yaml file	just now
 Dockerfile	Add Dockerfile	1 minute ago
 README.md	Initial commit	4 minutes ago
 index.html	Add index.html file	2 minutes ago
 README.md		

- Adding variables

Project variables

Variables can be accidentally exposed in a job log, or maliciously sent to a third party server. The masked variable feature can help reduce the risk of accidentally exposing variable values, but is not a guaranteed method to prevent malicious users from accessing variables. How can I make my variables more secure?

CI/CD Variables </> 2			
		Reveal values	Add variable
Key ↑	Value	Environments	Actions
DOCKERHUB_PASSWORD  Expanded 	All (default) 	 
DOCKERHUB_USERNAME  Protected Expanded 	All (default) 	 

Group variables (inherited)

These variables are inherited from the parent group.





- Pushing new changes, the job starts and finishes successfully

All 2

Finished

Search or filter jobs...

Q

Status	Job	Pipeline	Coverage
<div><div><div>✔ Passed</div><div>🕒 00:00:44</div><div>🕒 1 minute ago</div></div></div>	<div>#9843089385: build_and_push</div> <div>📁 main → 5f6eea98</div>	<div>#1788826144 created by </div> <div>Stage: build</div>	<div></div>
<div><div><div>✖ Failed</div><div>🕒 00:00:37</div><div>🕒 8 minutes ago</div></div></div>	<div>#9843080763: build_and_push</div> <div>📁 main → 49d6b5b6</div>	<div>#1788823991 created by </div> <div>Stage: build</div>	<div></div>

- New repo on Docker Hub with image

Search by repository name		All content	Create a repository		
Name	Last Pushed	Contains	Visibility	Scout	
marijak02/docker-web-app	2 minutes ago	IMAGE	Public	Inactive	
marijak02/kil-demo-01	29 minutes ago	IMAGE	Public	Inactive	
1-2 of 2					