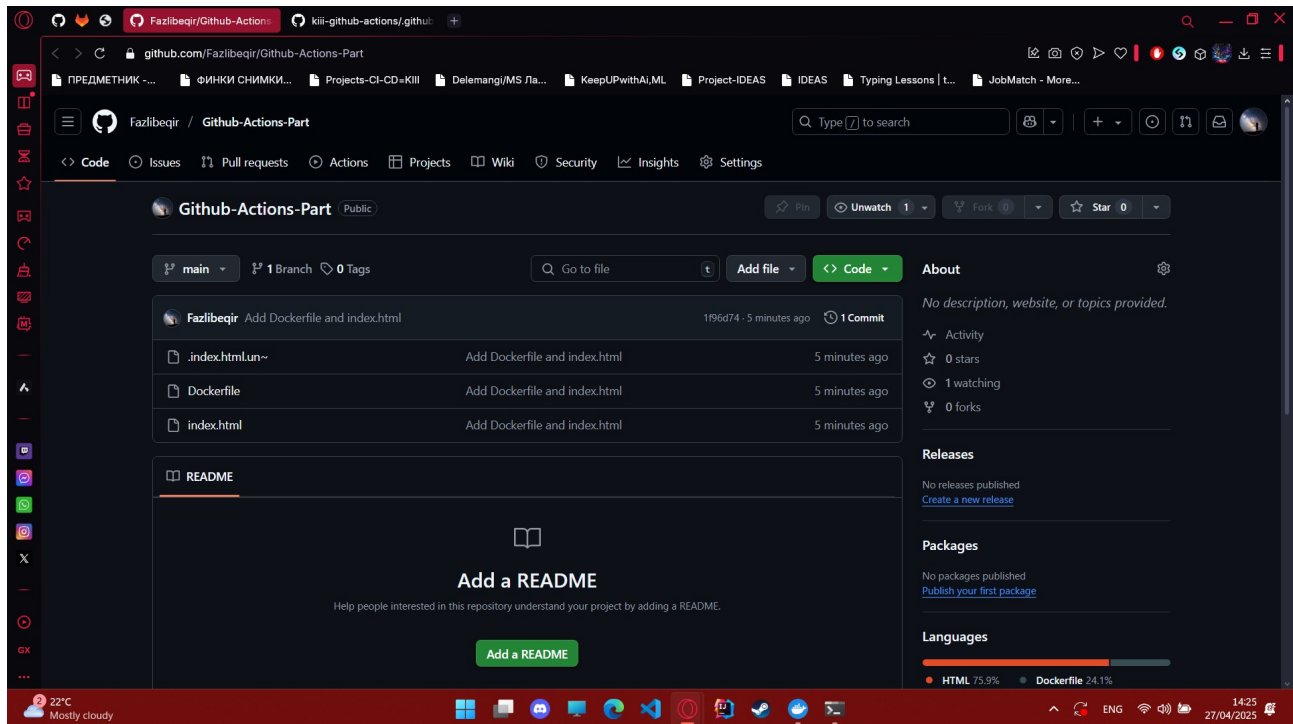


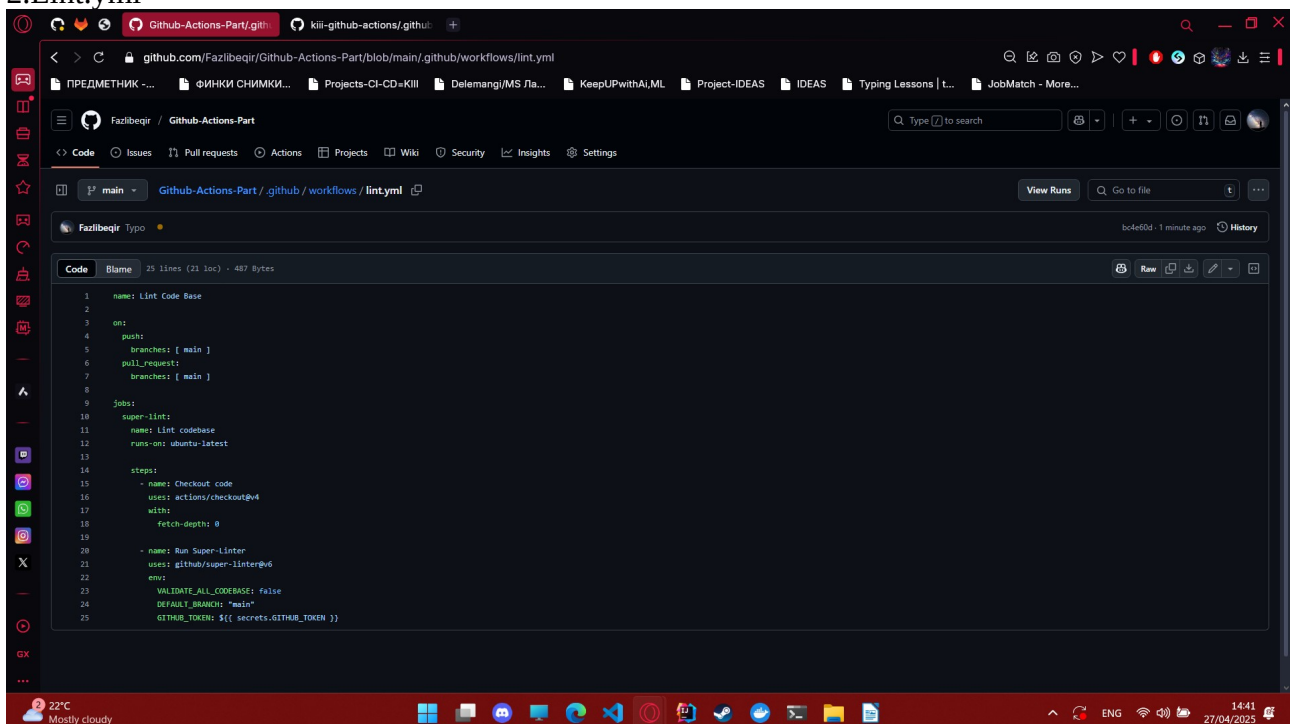
# Github Actions & Gitlab CI/CD

## Part 1 Github Actions

### 1. Github Repo without the workflow

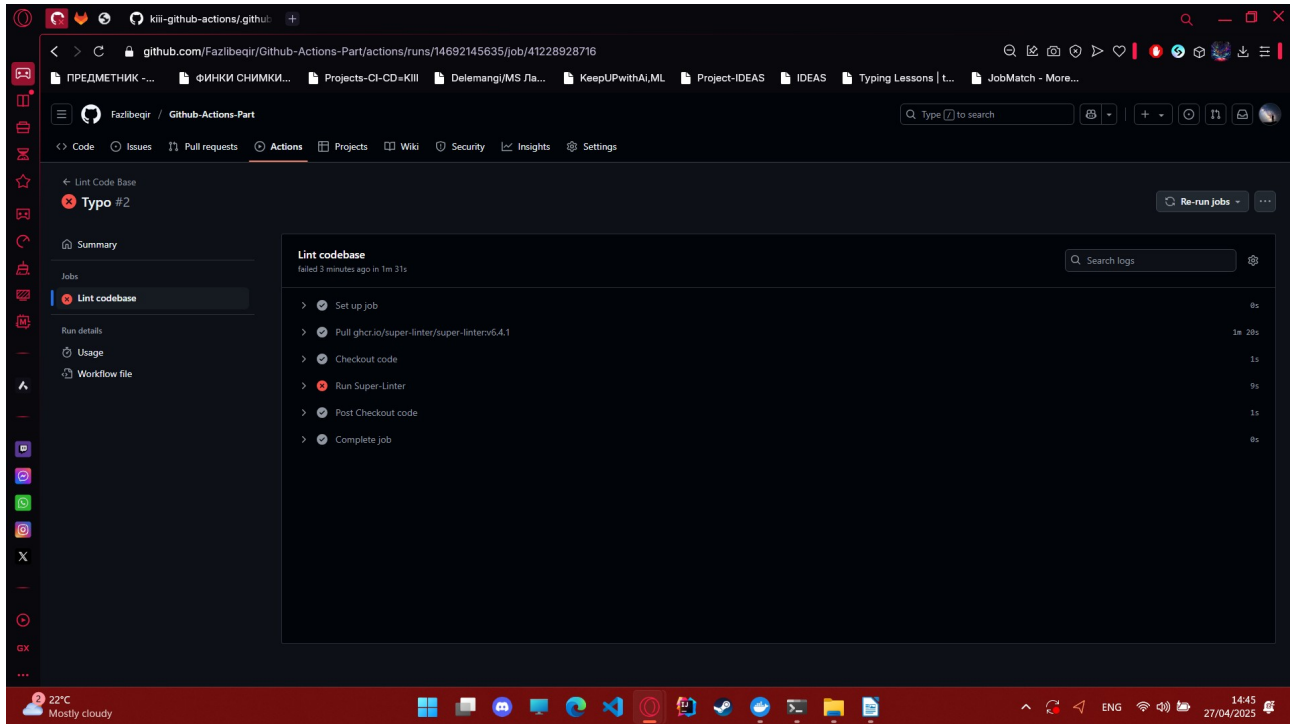


### 2. Lint.yml

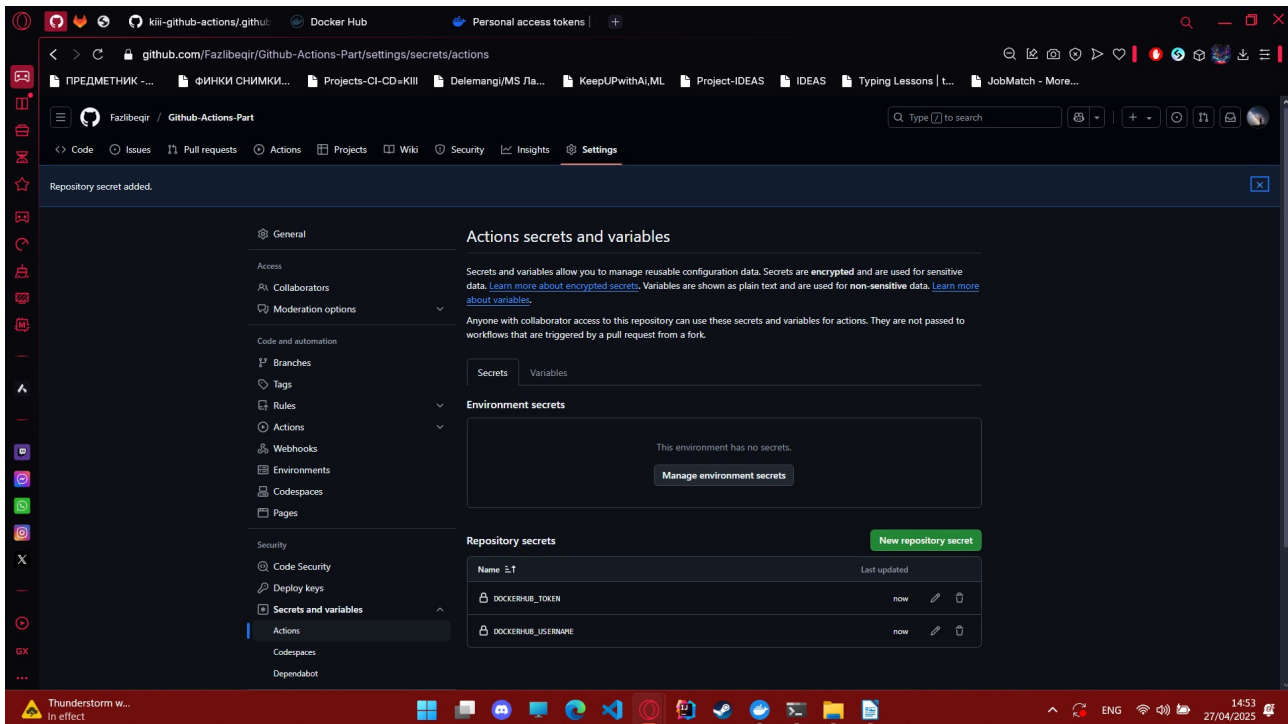


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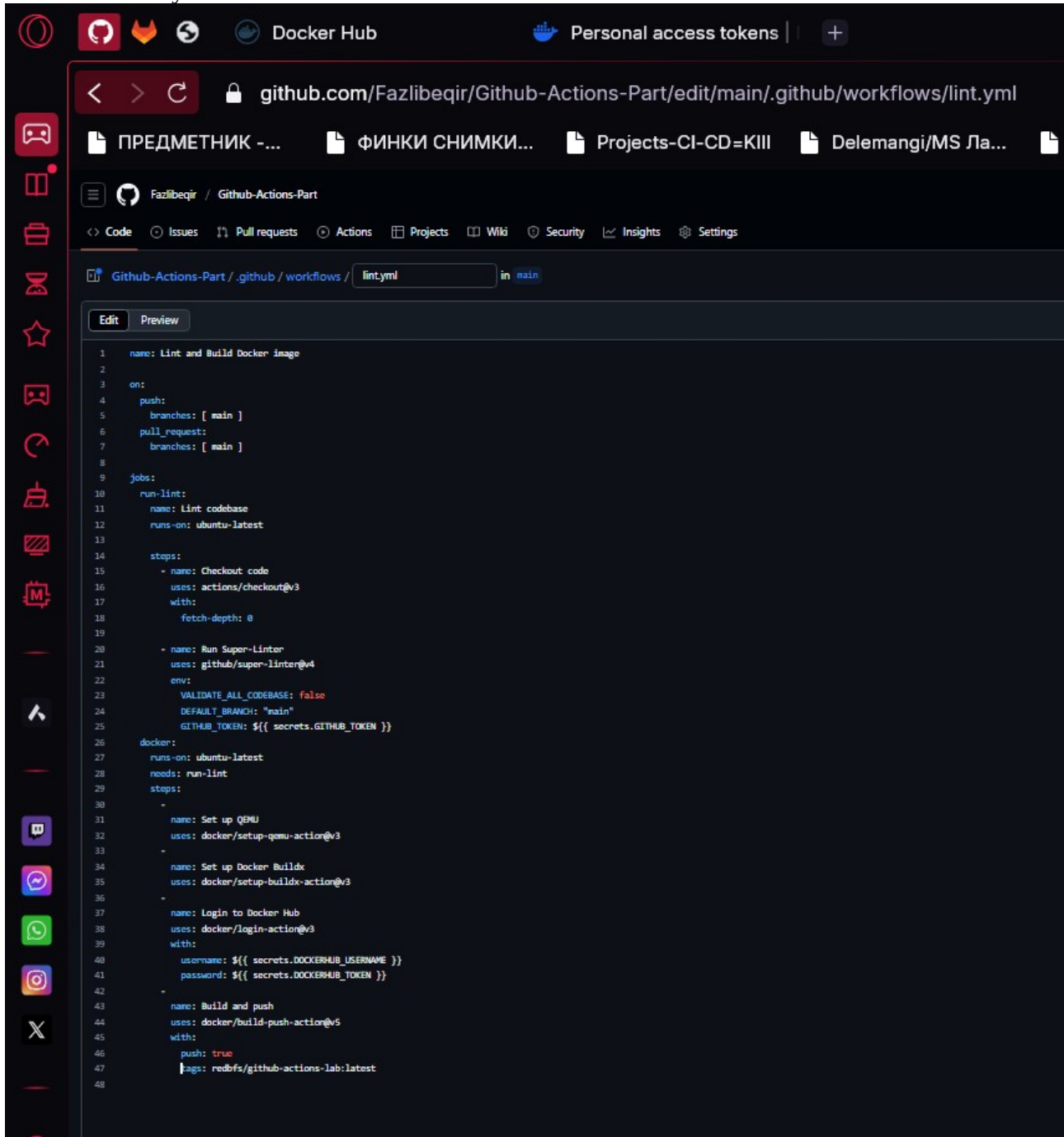
### 3.Workflow



### 4. Extended action (Added the secrets)



## 5.Modified lint.yml



The screenshot shows a web browser displaying the GitHub repository page for 'Fazlibeqir / Github-Actions-Part'. The URL is 'github.com/Fazlibeqir/Github-Actions-Part/edit/main/.github/workflows/lint.yml'. The page shows the 'Code' tab with the 'lint.yml' file selected. The file content is displayed in a dark-themed editor with line numbers from 1 to 48. The workflow is named 'Lint and Build Docker image' and triggers on 'push' or 'pull\_request' to the 'main' branch. It includes a 'run-lint' job that runs on 'ubuntu-latest' and a 'docker' job that runs on 'ubuntu-latest' and depends on 'run-lint'. The 'docker' job includes steps to set up QEMU, Docker Buildx, login to Docker Hub, and build and push the image.

```
1 name: Lint and Build Docker image
2
3 on:
4   push:
5     branches: [ main ]
6   pull_request:
7     branches: [ main ]
8
9 jobs:
10  run-lint:
11    name: Lint codebase
12    runs-on: ubuntu-latest
13
14    steps:
15      - name: Checkout code
16        uses: actions/checkout@v3
17        with:
18          fetch-depth: 0
19
20      - name: Run Super-Linter
21        uses: github/super-linter@v4
22        env:
23          VALIDATE_ALL_CODEBASE: false
24          DEFAULT_BRANCH: "main"
25          GITHUB_TOKEN: ${ secrets.GITHUB_TOKEN }
26
27  docker:
28    runs-on: ubuntu-latest
29    needs: run-lint
30    steps:
31      - name: Set up QEMU
32        uses: docker/setup-qemu-action@v3
33
34      - name: Set up Docker Buildx
35        uses: docker/setup-buildx-action@v3
36
37      - name: Login to Docker Hub
38        uses: docker/login-action@v3
39        with:
40          username: ${ secrets.DOCKERHUB_USERNAME }
41          password: ${ secrets.DOCKERHUB_TOKEN }
42
43      - name: Build and push
44        uses: docker/build-push-action@v5
45        with:
46          push: true
47          tags: redbf/github-actions-lab:latest
48
```

## 6.Success

The screenshot shows a GitHub Actions workflow run for the repository 'Fazilbeqir / Github-Actions-Part'. The workflow is named 'Lint and Build Docker image' and is running on a self-hosted runner. The workflow has completed successfully, with a status of 'Extended with Dockerhub #3'. The summary shows the following jobs:

- Lint codebase
- docker

The 'docker' job is the active job, showing the following steps:

- Set up job
- Set up QEMU
- Set up Docker Buildx
- Login to Docker Hub
- Build and push
- Post Build and push
- Post Login to Docker Hub
- Post Set up Docker Buildx

The 'Build and push' step is currently running, showing the following logs:

```
1 Post job cleanup.
2 Removing temp folder /home/runner/work/_temp/docker-actions-toolkit-waafw
3 Post cache
```

The screenshot shows the Docker Hub repository page for 'redbfs/github-actions-lab'. The repository is public and has a size of 69 MB. The page shows the following information:

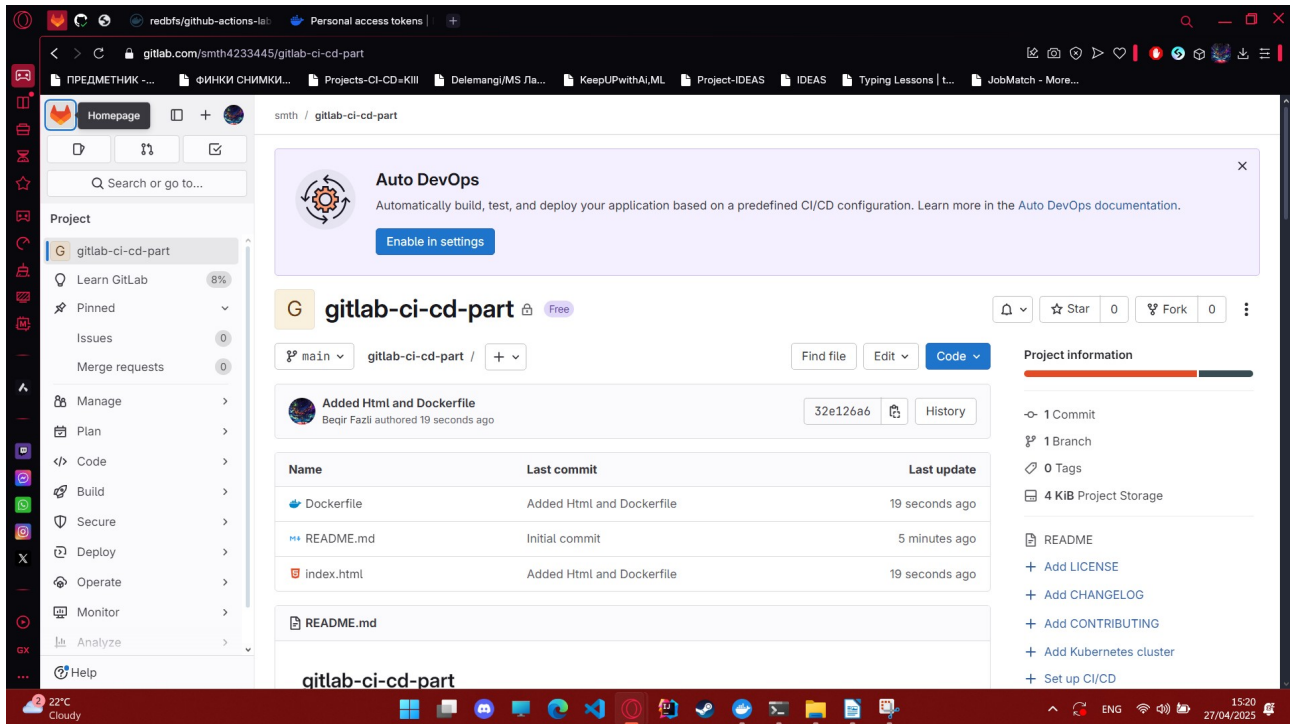
- Repository: redbfs/github-actions-lab
- Last pushed: 1 minute ago
- Repository size: 69 MB
- Tags: 1 tag(s)
- OS: Image
- Type: Image
- Pulled: less than 1 day
- Pushed: 1 minute

The page also includes a section for 'Docker commands' and a 'Public view' button. The 'Docker commands' section shows the following command:

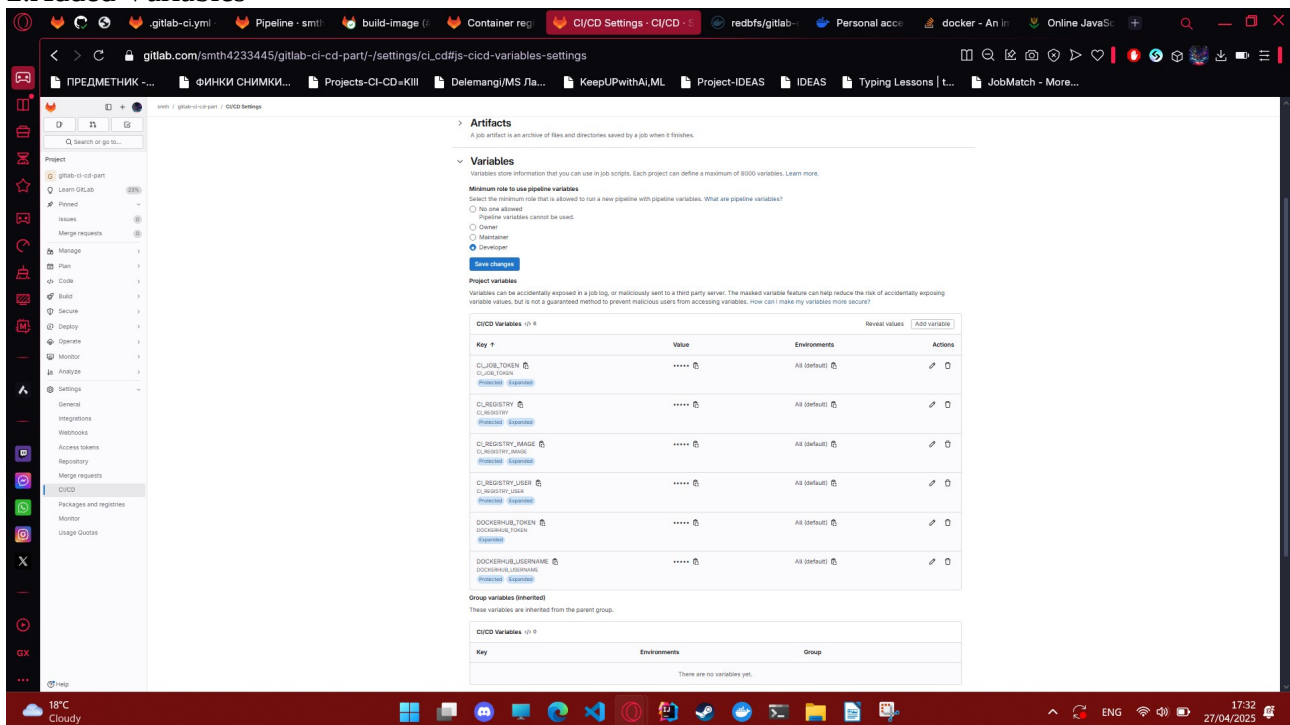
```
docker push redbfs/github-actions-lab:tagname
```

## Part 2 Gitlab CI/CD

### 1. Gitlab without ci/cd



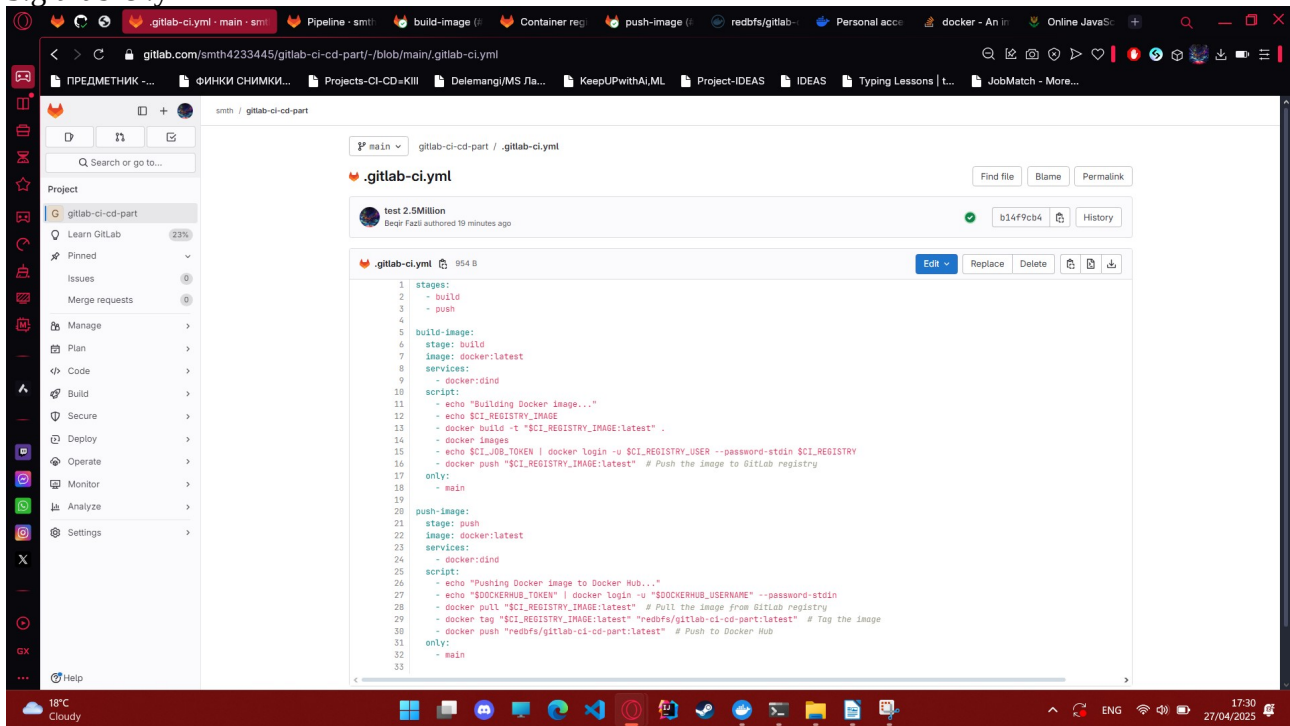
### 2. Added Variables



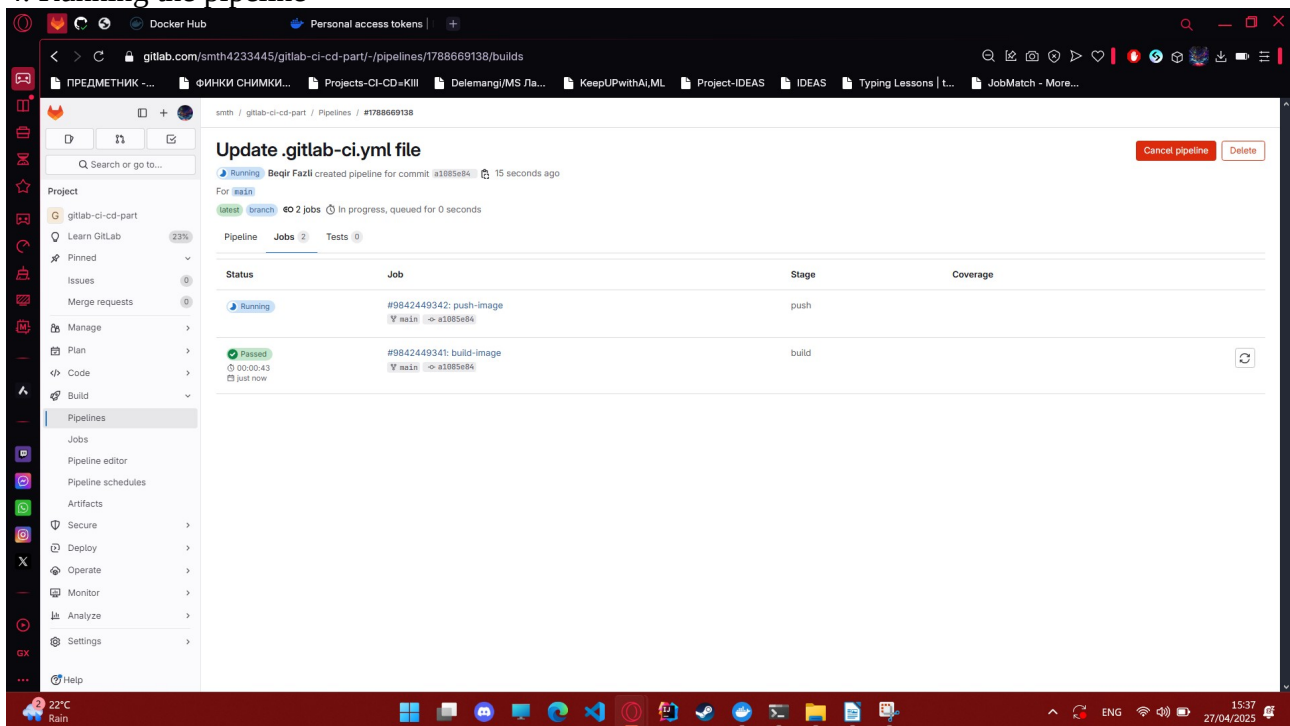


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### 3.github-ci.yml



### 4. Running the pipeline



## 5.Success

The screenshot shows the GitLab CI/CD Pipelines page for the repository 'redbfs/gitlab-ci-cd-part'. The page displays a list of pipelines with their status, name, and creation time. The pipelines are as follows:

Status	Pipeline	Created by	Stages	Actions
Passed	test 2.5Million #1788717505 latest branch	main	✓	Download
Failed	test 2.4Million #1788713882 latest branch	main	✗	Refresh Download
Failed	test 2.3Million #1788706169 latest branch	main	✗	Refresh Download
Failed	test 2.2Million #1788703921 latest branch	main	✗	Refresh Download
Failed	test 2.1Million #1788702119 latest branch	main	✗	Refresh Download
Failed	errors #1788675667 latest branch	main	✗	Refresh Download
Failed	fixing and checking for errors #1788673754 latest branch	main	✗	Refresh Download
Failed	quotation typo #1788671549 latest branch	main	✗	Refresh Download

The screenshot shows the Docker Hub repository page for 'redbfs/gitlab-ci-cd-part'. The page displays the repository's general information, including the last pushed time and the tags. The repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
latest	linux	Image	less than 1 day	1 minute

The page also includes a section for Docker commands, showing the command to push a new tag to the repository:

```
docker push redbfs/gitlab-ci-cd-part:tagname
```