

# Индивидуальный проект (2 этап)

Дисциплина - операционные системы

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## Информация

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## Создание презентации

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## Цель работы

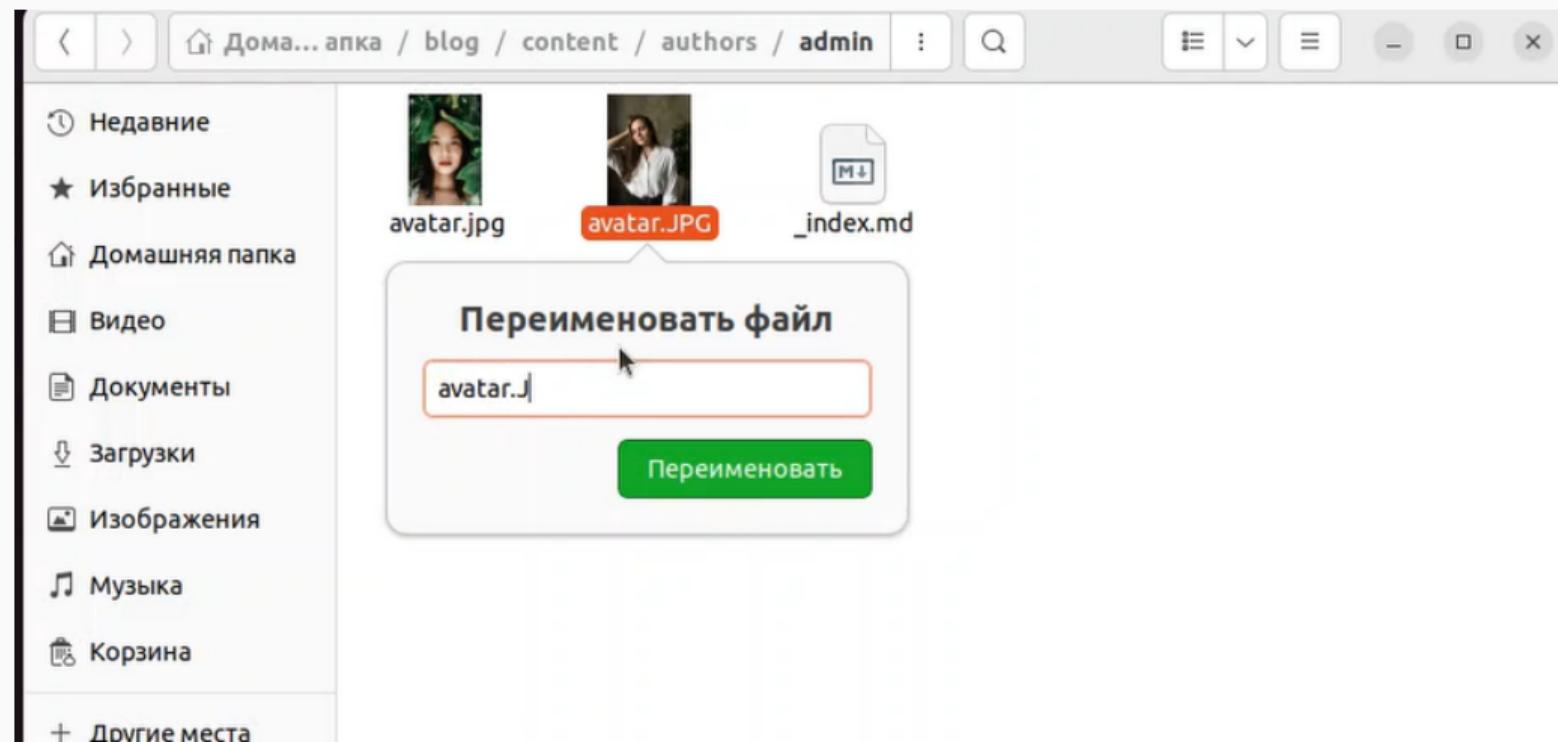
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- Добавить на сайт информацию о себе. Написать пост по прошедшей неделе и пост на тему по выбору.

1. Разместить фотографию владельца сайта.
2. Разместить краткое описание владельца сайта (Biography).
3. Добавить информацию об интересах (Interests).
4. Добавить информацию от образования (Education).
5. Сделать пост по прошедшей неделе.
6. Добавить пост на тему по выбору:
  - Управление версиями. Git.
  - Непрерывная интеграция и непрерывное развертывание (CI/CD).

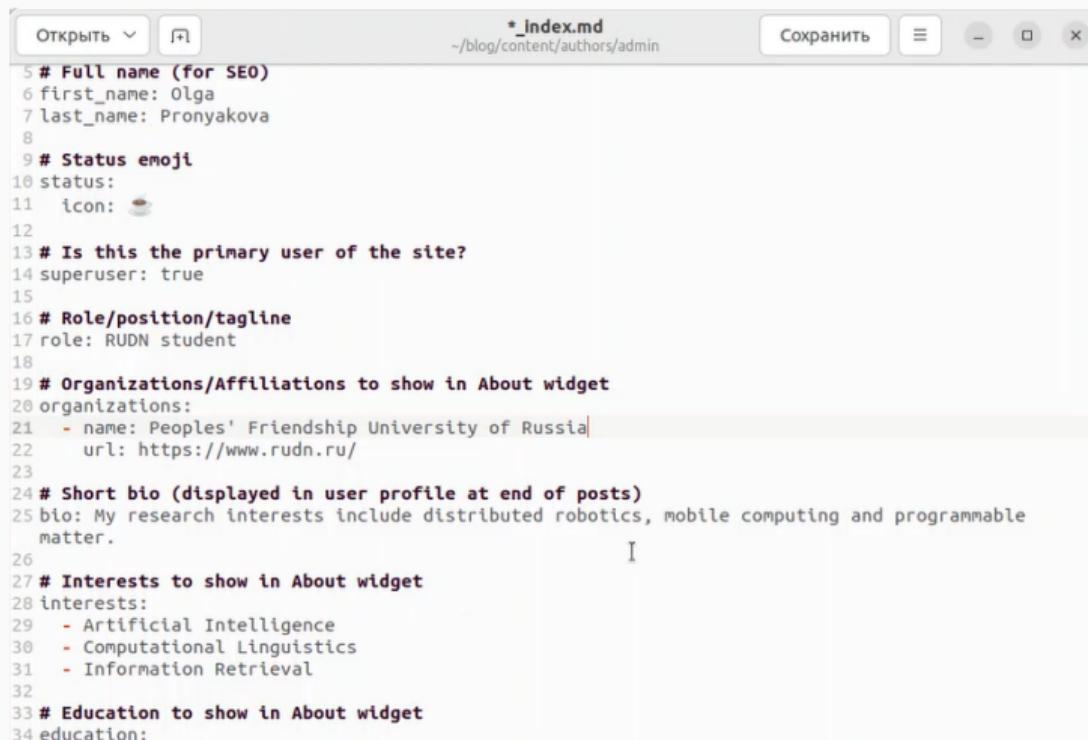
## Этапы реализации проекта

В домашней папке перехожу в папку blog/content/author/admin и перемещаю туда свою фотографию.(рис. 1).



## Этапы реализации проекта

Открываю в папке blog/content/author файл в Markdown и пишу краткое описание о себе(рис. 2).



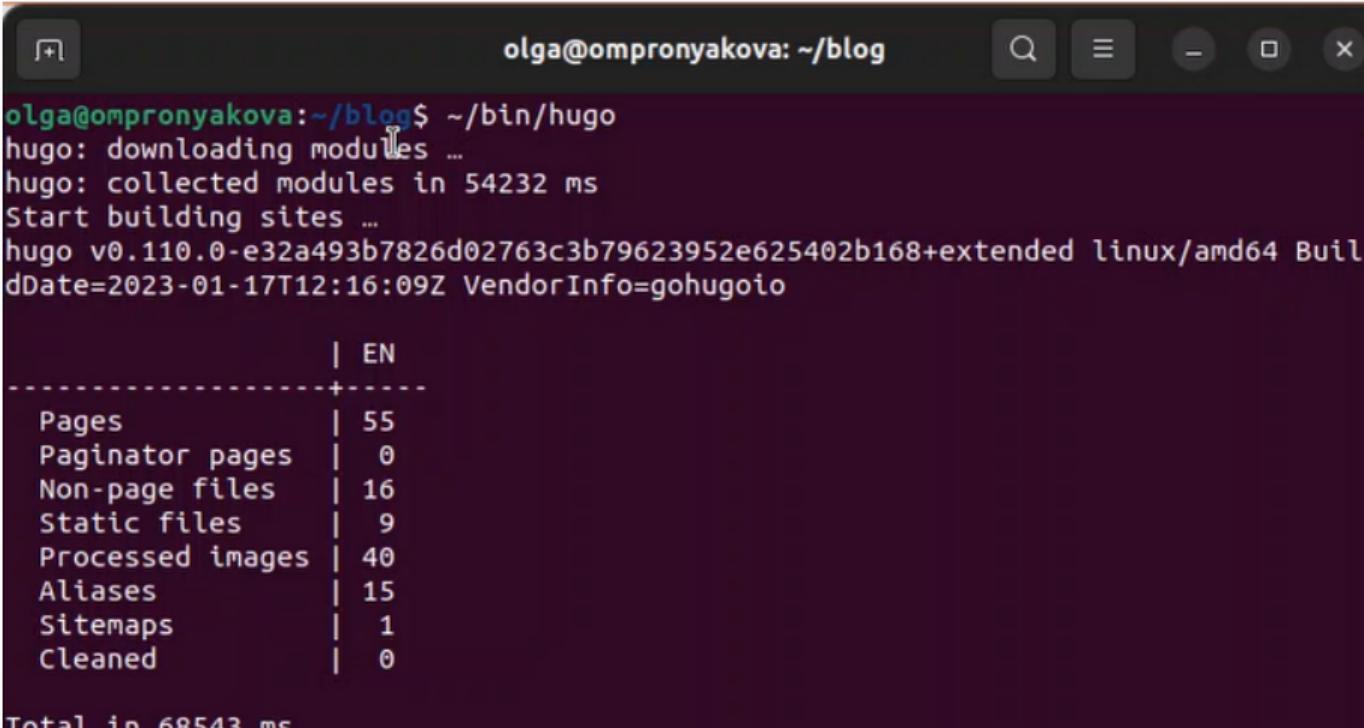
The screenshot shows a text editor window with the following details:

- Title Bar:** Shows "Открыть" (Open), a file icon, the file name "\*\_Index.md", and the path "/blog/content/authors/admin".
- Toolbar:** Includes "Сохранить" (Save), a three-dot menu icon, a minimize button, a maximize button, and a close button.
- Content Area:** Displays a Markdown file with numbered lines from 5 to 34. The content includes fields for full name, status emoji, superuser status, role, organizations, short bio, interests, and education.
- Code Preview:** A vertical sidebar on the right shows a preview of the rendered Markdown content.

```
5 # Full name (for SEO)
6 first_name: Olga
7 last_name: Pronyakova
8
9 # Status emoji
10 status:
11   icon: 🍴
12
13 # Is this the primary user of the site?
14 superuser: true
15
16 # Role/position/tagline
17 role: RUDN student
18
19 # Organizations/Affiliations to show in About widget
20 organizations:
21   - name: Peoples' Friendship University of Russia
22     url: https://www.rudn.ru/
23
24 # Short bio (displayed in user profile at end of posts)
25 bio: My research interests include distributed robotics, mobile computing and programmable
      matter.
26
27 # Interests to show in About widget
28 interests:
29   - Artificial Intelligence
30   - Computational Linguistics
31   - Information Retrieval
32
33 # Education to show in About widget
34 education:
```

## Этапы реализации проекта

открываю терминал и прописываю сначала команду ~/bin/hugo, а затем команду ~/bin/hugo server. В результате получаю ссылку, по которой перехожу на свой сайт(рис. 3).



```
olga@ompronyakova: ~/blog$ ~/bin/hugo
hugo: downloading modules ...
hugo: collected modules in 54232 ms
Start building sites ...
hugo v0.110.0-e32a493b7826d02763c3b79623952e625402b168+extended linux/amd64 Build
dDate=2023-01-17T12:16:09Z VendorInfo=gohugoio

| EN
-----+-----
Pages      | 55
Paginator pages | 0
Non-page files | 16
Static files   | 9
Processed images | 40
Aliases       | 15
Sitemaps      | 1
Cleaned        | 0

Total in 68543 ms
```

## Этапы реализации проекта

Проверяю изменения на сайте. Вижу, что картинка и описание добавились на сайт(рис. 4).

The screenshot shows a user profile for 'Pronyakova Olga'. At the top is a circular profile picture of a young woman with long brown hair, wearing a white shirt. Below the picture is her name, 'Pronyakova Olga', in a large, bold, black font. Underneath her name is the text 'RUDN student' in a smaller, gray font. Below that is the text 'Peoples' Friendship University of Russia' in blue. At the bottom of the profile are five blue social media icons: an envelope, a Twitter bird, a graduation cap, a GitHub logo, and a LinkedIn logo, followed by the letters 'cv'.

Pronyakova Olga is a student of the Peoples' Friendship University of Russia. Engaged in the study of programming languages. She helps with math for children who study at school. Also likes to play volleyball.

## Этапы реализации проекта

Далее перехожу в папку blog/content/post и создаю там новую папку для того, чтобы сделать новый пост по прошедшей недели и называю ее 1 week. В нее добавляю скопированные из папки getting-started картинку и файл в Markdown(рис. 5).

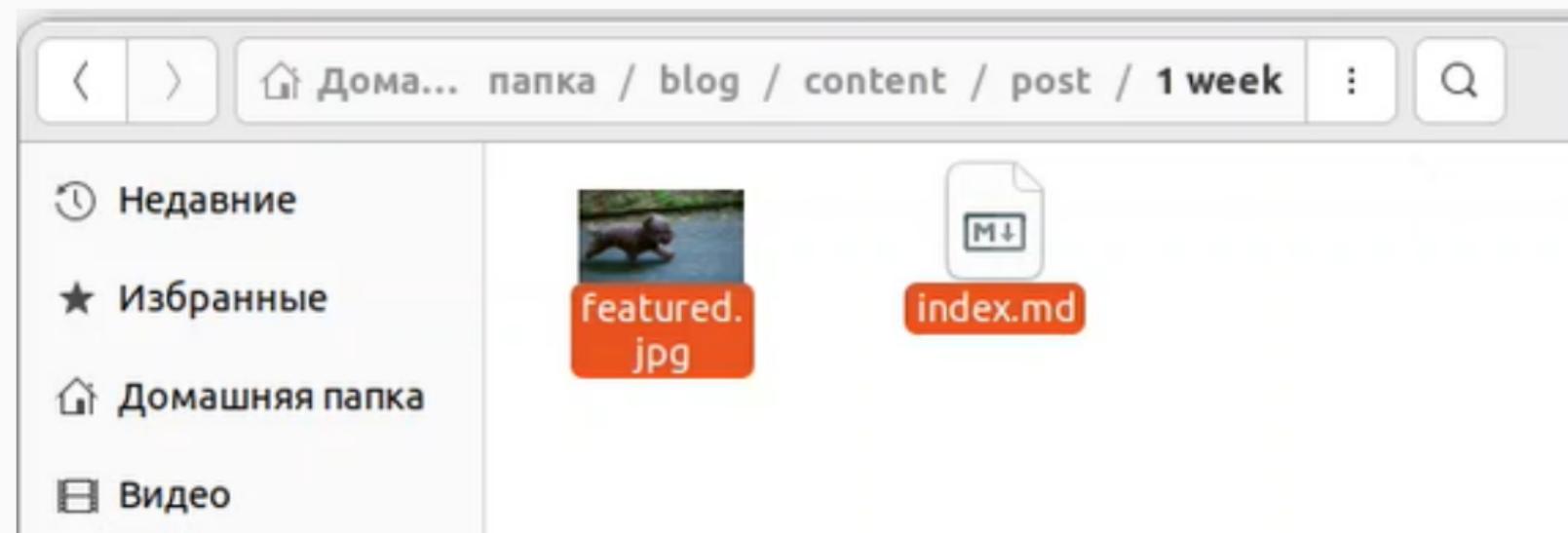
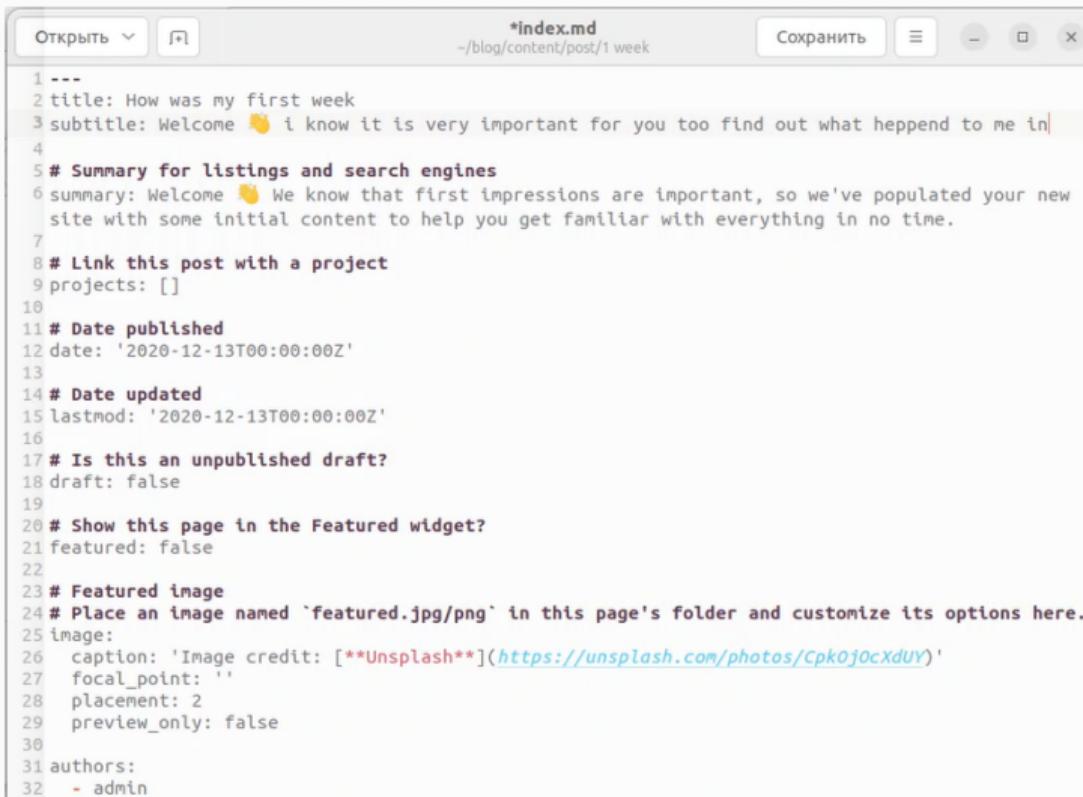


Рис. 5: Создание папки

## Этапы реализации проекта

Открываю файл в Markdown и пишу пост по прошедшей неделе(рис. 6) (рис. 7).



The screenshot shows a code editor window with the following details:

- Title Bar:** Shows "index.md" and the path "~/blog/content/post/1 week".
- Toolbar:** Includes "Открыть" (Open), "+", "Сохранить" (Save), and window control buttons.
- Content Area:** Displays the following code:

```
1 ---
2 title: How was my first week
3 subtitle: Welcome 🎉 i know it is very important for you too find out what heppend to me in|
4
5 # Summary for listings and search engines
6 summary: Welcome 🎉 We know that first impressions are important, so we've populated your new
   site with some initial content to help you get familiar with everything in no time.
7
8 # Link this post with a project
9 projects: []
10
11 # Date published
12 date: '2020-12-13T00:00:00Z'
13
14 # Date updated
15 lastmod: '2020-12-13T00:00:00Z'
16
17 # Is this an unpublished draft?
18 draft: false
19
20 # Show this page in the Featured widget?
21 featured: false
22
23 # Featured image
24 # Place an image named `featured.jpg/png` in this page's folder and customize its options here.
25 image:
26   caption: 'Image credit: [**Unsplash**](https://unsplash.com/photos/Cpk0jocXduY)'
27   focal_point: ''
28   placement: 2
29   preview_only: false
30
31 authors:
32   - admin
```

## Этапы реализации проекта

```
*index.md
-/blog/content/post/1 week
Сохранить
Открыть
+1
# Place an image named `featured.jpg/png` in this page's folder and customize its options here.
image:
caption: 'Image credit: [**Unsplash**](https://unsplash.com/photos/Cpk0jocXduY)'
focal_point: ''
placement: 2
preview_only: false
authors:
- admin
tags:
- 1 week
categories:
- post 1
---
```
python
import libr
print('hello')
```
## Overview
1. Last week I did 1 laboratory work and made a report on the discipline: operating systems.
2. I had a training session on Tuesday. I practiced volleyball for 3 hours and the game went well.
3. Wednesday was Women's Day and everybody was resting. I walked all day, went shopping and received congratulations on the holiday.
4. I didn't want to do my homework on the weekend, so I went to the movies with my friend annnd came home at 00:30.
5. Thanks to thhe translator who helped me translate all this into English.
```

## Этапы реализации проекта

Меняю в папке 1 week картинку на другую(рис. 8).

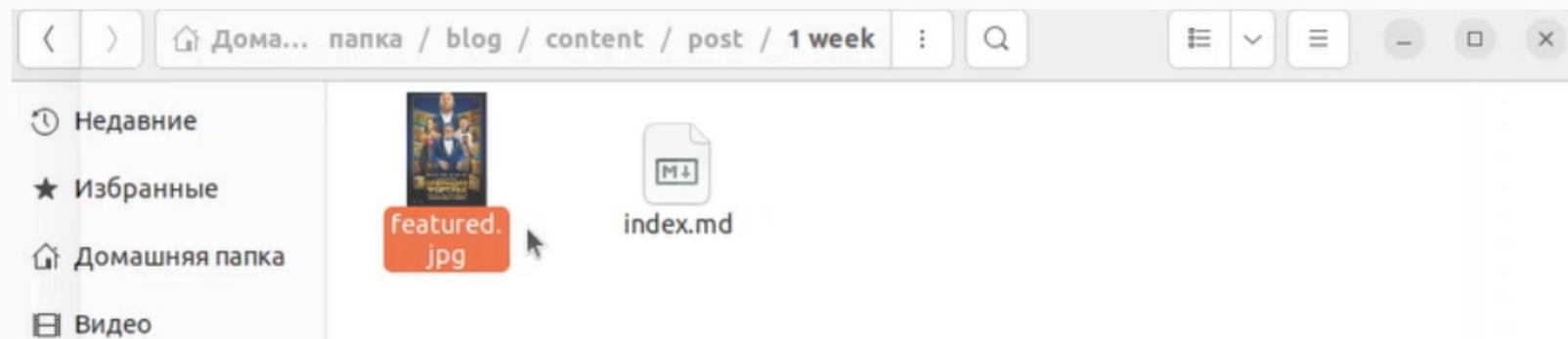


Рис. 8: Изменение картинки

Далее перехожу на свой сайт и проверяю наличие поста(рис. 9).

### Recent Posts

#### How was my first week

Welcome 🌟 We know that first impressions are important, so we've populated your new site with some initial content to help you get familiar with everything in no time.

Pronyakova Olga

Mar 13, 2023 · 1 min read · post 1



Рис. 9: Проверка поста на сайте

## Этапы реализации проекта

затем создаю в папке blog/content/post еще одну папку, которую называю Git. Эта папка для нового поста об управление версиями. Git(рис. 10).

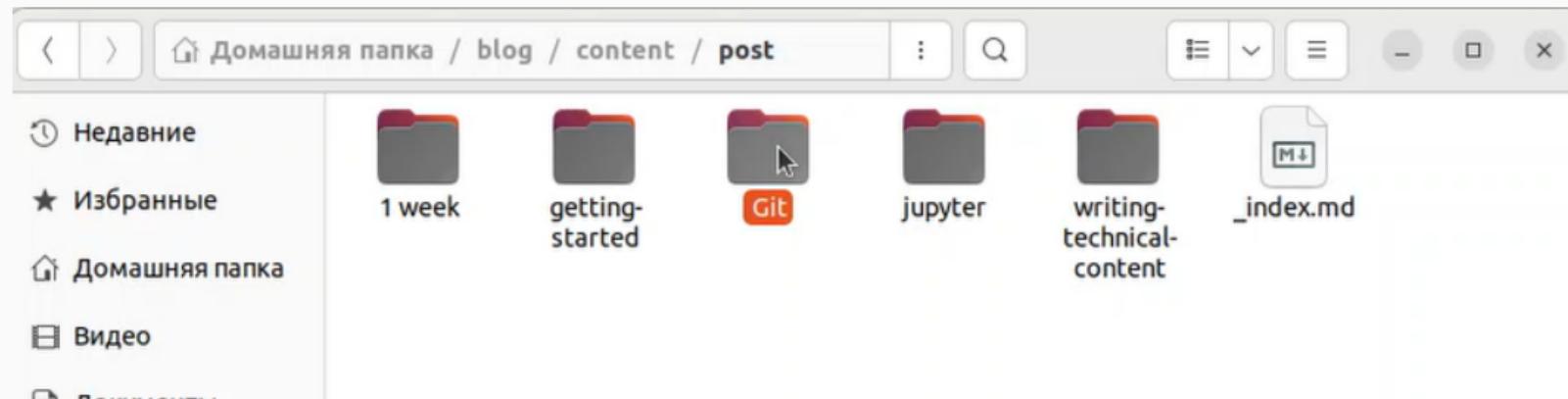


Рис. 10: Создание папки

# Этапы реализации проекта

Открываю файл в Markdown и пишу пост на выбранную мною тему(рис. 11).

The screenshot shows a window titled "index.md" with the file path "-/blog/content/post/Git". The editor interface includes buttons for "Открыть" (Open), "Сохранить" (Save), and standard window controls. The main content area contains a block of text and numbered code lines:

```
53
54 2. Local version control systems
55
56 Many people use copying files into a separate directory as a version control method (perhaps
even a timestamped directory, if they're smart enough). This approach is very common due to its
simplicity, but it is incredibly error prone. It's easy to forget which directory you're in and
accidentally change the wrong file or copy the wrong files.
57
58 To solve this problem, programmers long ago developed local VCSs with a simple database that
keeps a record of all changes to files, thus providing revision control.
59
60 ![Figure 1. Local version control](local.png)
61
62 One of the popular VCS was the RCS system, which is still distributed with many computers
today. RCS stores sets of patches (differences between files) on disk in a special format,
using which it can recreate the state of each file at a given point in time.
63
64 3. Centralized version control systems
65
66 The next big problem people face is the need to interact with other developers. In order to
deal with it, centralized version control systems (TSKV) were developed. Systems such as CVS,
Subversion, and Perforce use a single server that holds all versions of files, and a number of
clients that retrieve files from this centralized repository. The use of CSCM has been the
standard for many years.
67
68 This approach has many advantages, especially over local SLE. For example, all project
developers know to some extent what each of them does. Administrators have complete control
over who can do what, and it's much easier to administer the CSCM than it is to operate local
```

## Этапы реализации проекта

Загружаю в папку Git необходимые для поста картинки(рис. 12).

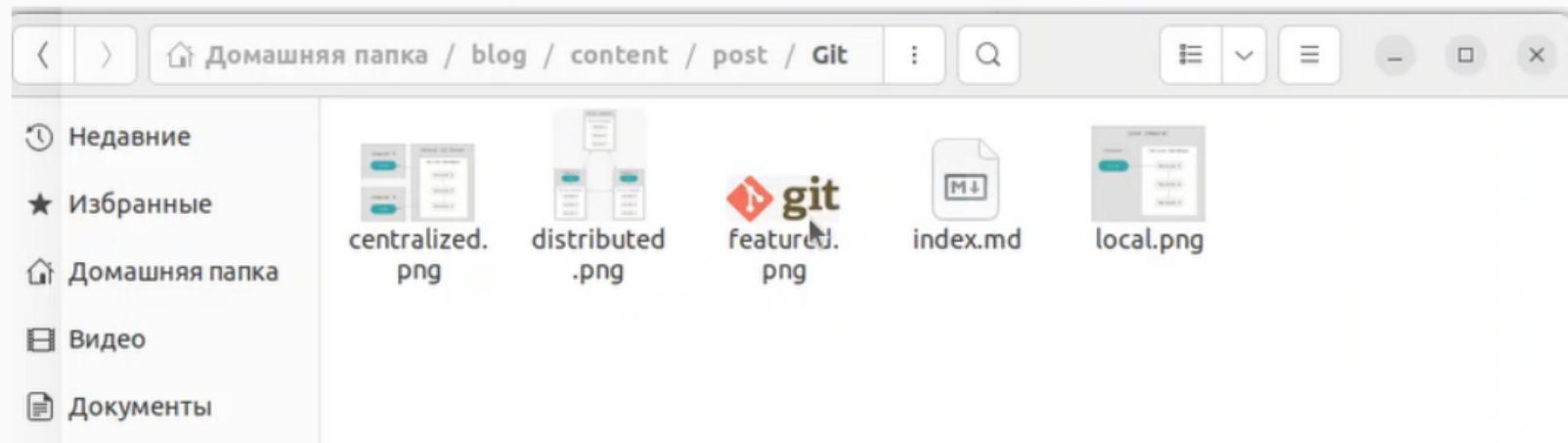


Рис. 12: Добавление картинок

Далее перехожу на свой сайт и проверяю наличие поста(рис. 13) (рис. 14).

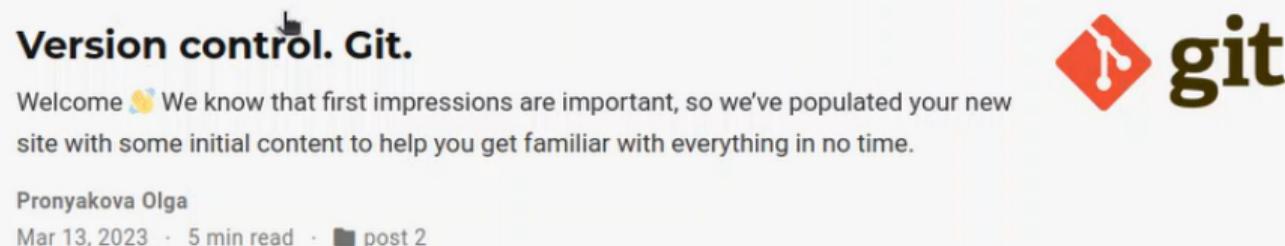
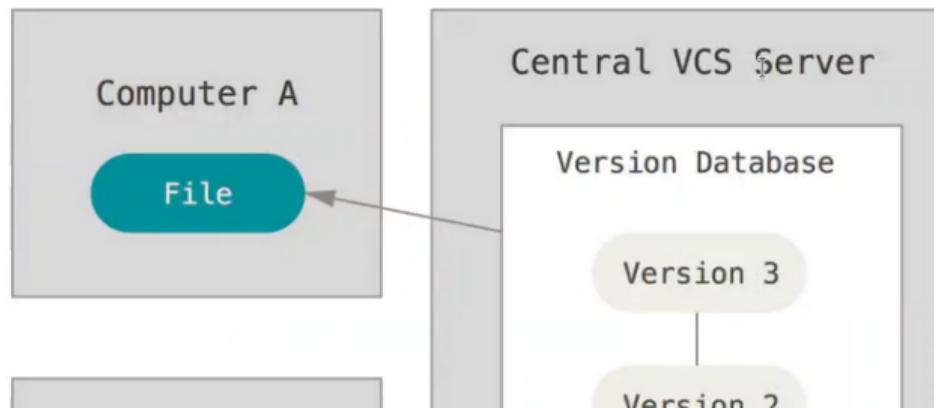


Рис. 13: Проверка поста на сайте

file at a given point in time.

### 3. Centralized version control systems

The next big problem people face is the need to interact with other developers. In order to deal with it, centralized version control systems (TSKV) were developed. Systems such as CVS, Subversion, and Perforce use a single server that holds all versions of files, and a number of clients that retrieve files from this centralized repository. The use of CSCS has been the standard for many years.



## Этапы реализации проекта

Затем открываю терминал и перехожу в ~/blog. Добавляю все изменения на Github(рис. 15).

The screenshot shows a terminal window with the following command history:

```
olga@ompronyakova:~$ cd ~/blog
olga@ompronyakova:~/blog$ git add .
olga@ompronyakova:~/blog$ git commit -am "Добавили изменения"
[main 3bec353] Добавили изменения
 12 files changed, 207 insertions(+), 22 deletions(-)
  create mode 100644 .gitmodules
  rewrite content/authors/admin/avatar.jpg (98%)
  create mode 100644 content/post/1 week/featured.jpg
  create mode 100644 content/post/1 week/index.md
  create mode 100644 content/post/Git/centralized.png
  create mode 100644 content/post/Git/distributed.png
  create mode 100644 content/post/Git/featured.png
  create mode 100644 content/post/Git/index.md
  create mode 100644 content/post/Git/local.png
  create mode 160000 public
olga@ompronyakova:~/blog$ git push
Перечисление объектов: 27, готово.
Подсчет объектов: 100% (27/27), готово.
При сжатии изменений используется до 2 потоков
Сжатие объектов: 100% (19/19), готово.
```

## Этапы реализации проекта

Перехожу в папку public и тоже добавляю все изменения на Github(рис. 16).

```
olga@omprgonyakova:~/blog$ cd public
olga@omprgonyakova:~/blog/public$ git add .
olga@omprgonyakova:~/blog/public$ git commit -am "Добавили изменения"
[main 4efc8be] Добавили изменения
 34 files changed, 150 insertions(+), 150 deletions(-)
  rewrite authors/admin/avatar.jpg (98%)
  create mode 100644 authors/admin/avatar_huc22cc2e8a1fac1028002c59b4638e046_1018
19_150x150_fill_q75_lanczos_center.jpg
  create mode 100644 authors/admin/avatar_huc22cc2e8a1fac1028002c59b4638e046_1018
19_270x270_fill_q75_lanczos_center.jpg
  rewrite index.json (99%)
olga@omprgonyakova:~/blog/public$ git push
Перечисление объектов: 129, готово.
Подсчет объектов: 100% (129/129), готово.
При сжатии изменений используется до 2 потоков
Сжатие объектов: 100% (66/66), готово.
Запись объектов: 100% (68/68), 133.76 Киб | 1.83 Миб/с, готово.
Всего 68 (изменений 39), повторно использовано 0 (изменений 0), повторно использ
овано пакетов 0
remote: Resolving deltas: 100% (39/39), completed with 36 local objects.
```

## Этапы реализации проекта

Открываю Github и проверяю наличие добавленных файлов(рис. 17).

The screenshot shows a GitHub repository page for 'Olga1325 / blog'. The repository is public and generated from 'wowchemy/starter-hugo-academic'. The top navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The main content area displays a commit history:

File	Actions	Time
centralized.png	Добавили изменения	7 minutes ago
distributed.png	Добавили изменения	7 minutes ago
featured.png	Добавили изменения	7 minutes ago
<a href="#">index.md</a>	Добавили изменения	7 minutes ago
local.png	Добавили изменения	7 minutes ago

At the bottom left, there is a 'Give feedback' link.

Рис. 17: Проверка наличия добавленных файлов на Github

## Выводы

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- Добавила на сайт информацию о себе. Написала пост по прошедшей неделе и пост на тему по выбору.