

№ 2

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:  
: -01-24

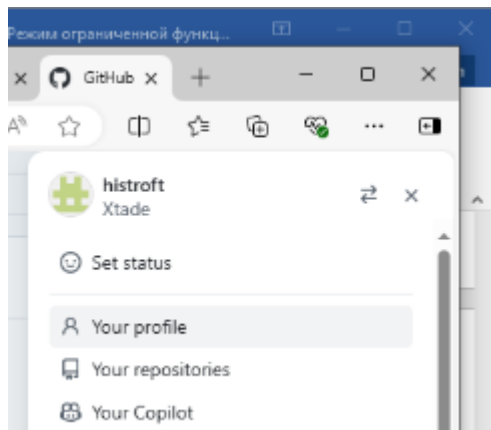
2024 .

git.

1.

1. **GitHub**

1. GitHub.



.1: Github

2. **Git**

3. git. git config -global user.name  
“”, git config - global user.email “work@mail”,

```
xtades@fedora:~  
> git config --global user.name "<chistroft>"  
> git config --global user.email "<laptevtims@gmail.com>"
```

.2

4. utf-8 git

```
> git config --global core.quoterpath false
```

.3

3. «master»

```
xtades@fedora:~  
> git config --global init.defaultBranch master  
12:32:36
```

.4

4. autocrlf input, Linux,  
CRLF LF . CR LF – ,  
safecrlf warn, Git  
warn Git ,

```
xtades@fedora:~  
> git config --global core.autocrlf input  
> git config --global core.safecrlf warn  
12:33:55
```

.5

5. SSH-

6. ). ssh-keygen -C “ , work@email”,  
~/.ssh/.

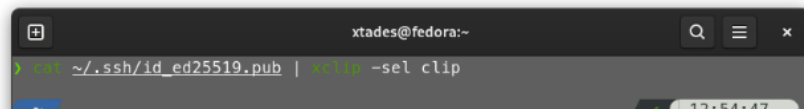
```

$ ssh-keygen -C "Laptev Timofey <laptevtins@gmail.com>"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/home/xtades/.ssh/id_ed25519): y
Enter passphrase (empty for no passphrase): y
Enter same passphrase again:
Passphrases do not match. Try again.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in y
Your public key has been saved in y.pub
The key fingerprint is:
SHA256:iaX6cN0inI2uhDBha+bRZR14GkFUX6rEnJexK30Zr5I Laptev Timofey <laptevtins@gmail.com>
The key's randomart image is:
---[ED25519 256]---
|..  o==|
|..o o= X =|
|o= . % B B o|
|+o.. + * + +|
|.. o + S o|
| o = E o|
| . = .|
| .|
|...|
-----[SHA256]-----

```

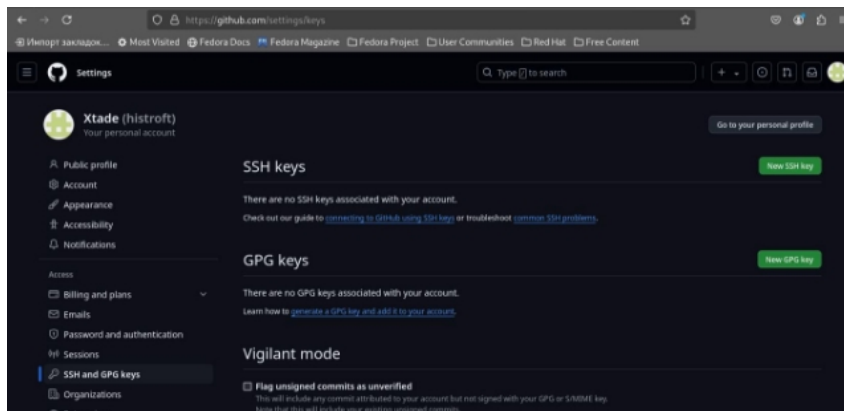
.6

2. , , xclip



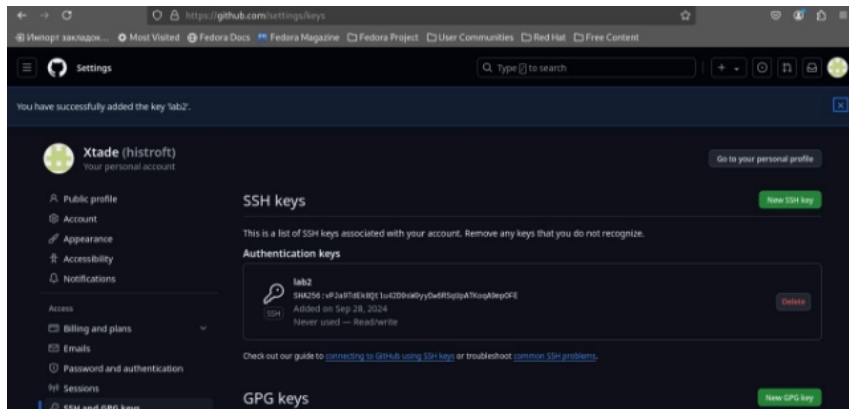
.7

3. , GitHub. «SSH and GPG keys».



.8

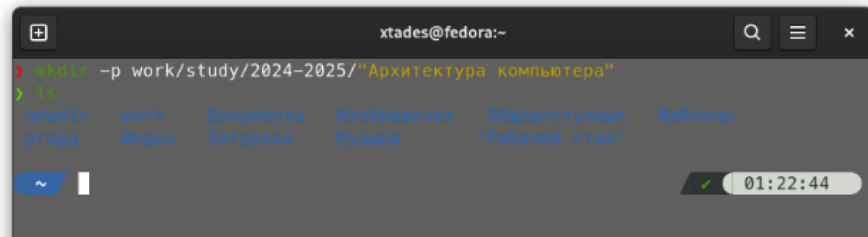
4. «Key». Title . «Add SSH-key»,



.9

5.

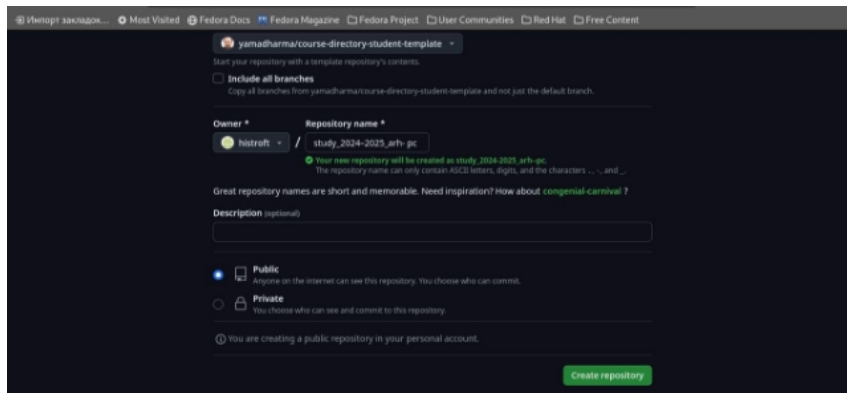
1. `mkdir, -p`  
`~/work/study/2022- 2023/“ ” . ls,`



.10

3).

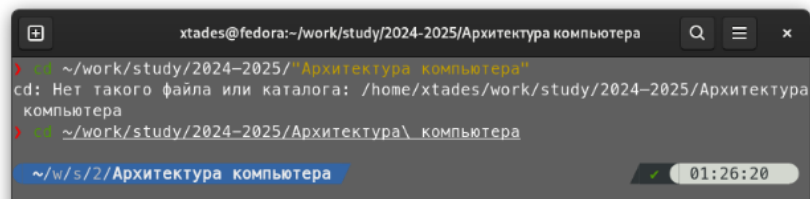
1. `https://github.com/yamad-harma/course-directory-student- template. «Use this template»,`



.11

2.

cd

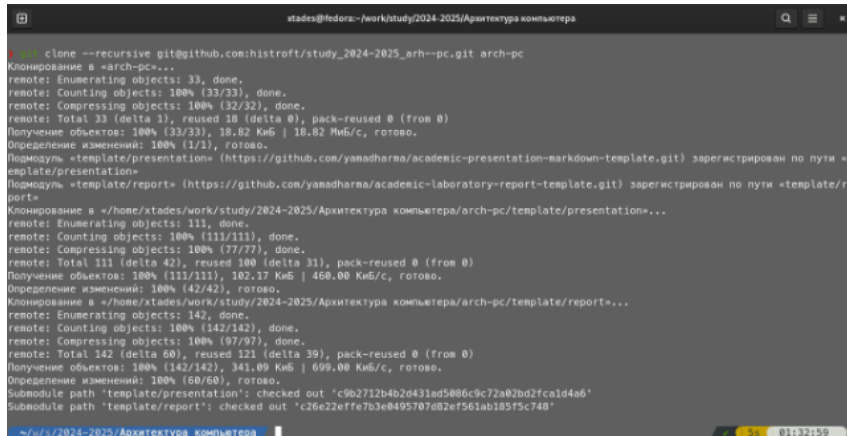


.12

3.

git clone – recursive ,  
«code»,

«SSH»



.13

4.

5. rm

```
xtades@fedora:~/work/study/2024-2025/Архитектура компьютера/arch-pc
> cd ~/work/study/2024-2025/Архитектура\ компьютера/arch-pc
> rm package.json

~/w/s/2/A/arch-pc master !1 04:33:02
```

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6.

```
xtades@fedora:~/work/study/2024-2025/Архитектура компьютера/arch-pc
> cd ~/work/study/2024-2025/Архитектура\ компьютера/arch-pc
> echo arch-pc > COURSE
> echo arch-pc > COURSE make
> echo arch-pc > make

~/w/s/2/A/arch-pc master !2 ?1 04:36:45
```

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3. add, : git commit

```
git commit -am "feat(main): make course structure"
[master 4c4a025] feat(main): make course structure
3 files changed, 2 insertions(+), 14 deletions(-)
create mode 100644 make
delete mode 100644 package.json
git push
Пересчет объектов: 0, готово.
Подсчет объектов: 100% (6/6), готово.
При скачивании изменений используется до 4 потоков.
Сжатие объектов: 100% (2/2), готово.
Запись объектов: 100% (4/4), 332 байта | 332.00 Кб/с, готово.
Total 4 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:histroft/study_2024-2025_arch-pc.git
94b0a06..4c4a025 master -> master

~/w/s/2/A/arch-pc master 04:39:52
```

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4. , 2 , , ,  
“make”, ,

```
xtades@fedora:~/work/study/2024-2025/Архитектура компьютера/arch-pc
$ commit -am 'feat(main): make course structure'
[master 16c1be8] feat(main): make course structure
1 file changed, 1 insertion(+), 1 deletion(-)
$ cd arch-pc & make COURSE
$ make
zsh: make: команда не найдена...
Установить пакет «make», предоставляющий команду «make»? [N/y] y

* Ожидание в очереди...
* Загрузка списка пакетов....
Следующие пакеты должны быть установлены:
guile30-3.0.7-12.fc40.x86_64  A GNU implementation of Scheme for application extensibility
make-1:4.4.1-6.fc40.x86_64    A GNU tool which simplifies the build process for users
Продолжить с этими изменениями? [N/y] y

* Ожидание в очереди...
* Ожидание аутентификации...
* Ожидание в очереди...
* Загрузка пакетов...
* Запрос данных...
* Проверка изменений...
* Установка пакетов...
Usage:
  make <target>

Targets:
  .all               List of courses
  .directories          Generate directories structure
  .submodules         Update submodules
```

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5. , make “makefile” 2,  
cd, arch-pc ,  
3

```
xtades@fedora:~/work/study/2024-2025/Архитектура компьютера/arch-pc
$ git add .
$ git commit -am 'feat(main): make course structure'
[master bb76ed3] feat(main): make course structure
223 files changed, 53687 insertions(+), 6 deletions(-)
create mode 100644 labs/README.md
create mode 100644 labs/README.ru.md
create mode 100644 labs/lab01/presentation/.projectile
create mode 100644 labs/lab01/presentation/.texlabroot
create mode 100644 labs/lab01/presentation/Makefile
create mode 100644 labs/lab01/presentation/image/kulyabov.jpg
create mode 100644 labs/lab01/presentation/presentation.md
create mode 100644 labs/lab01/report/Makefile
create mode 100644 labs/lab01/report/bib/cite.bib
create mode 100644 labs/lab01/report/image/placing_800_600_tech.jpg
create mode 100644 labs/lab01/report/pandoc/csl/gost-r-7-8-5-2008-numeric.csl
create mode 100755 labs/lab01/report/pandoc/filters/pandoc_emoj.py
create mode 100755 labs/lab01/report/pandoc/filters/pandoc_figjnos.py
create mode 100755 labs/lab01/report/pandoc/filters/pandoc_secnos.py
create mode 100755 labs/lab01/report/pandoc/filters/pandoc_tablenos.py
create mode 100644 labs/lab01/report/pandoc/filters/pandocxnos/__init__.py
create mode 100644 labs/lab01/report/pandoc/filters/pandocxnos/core.py
create mode 100644 labs/lab01/report/pandoc/filters/pandocxnos/main.py
create mode 100644 labs/lab01/report/pandoc/filters/pandocxnos/pandocattributes.py
create mode 100644 labs/lab01/report/report.md
create mode 100644 labs/lab02/presentation/.projectile
create mode 100644 labs/lab02/presentation/.texlabroot
create mode 100644 labs/lab02/presentation/Makefile
create mode 100644 labs/lab02/presentation/image/kulyabov.jpg
create mode 100644 labs/lab02/presentation/presentation.md
create mode 100644 labs/lab02/report/Makefile
create mode 100644 labs/lab02/report/bib/cite.bib
```

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```
xtades@fedora:~/work/study/2024-2025/Архитектура компьютера/arch-pc
create mode 100644 presentation/report/pandoc/csl/gost-r-7-0-5-2008-numeric.csl
create mode 100755 presentation/report/pandoc/filters/pandoc_eqnos.py
create mode 100755 presentation/report/pandoc/filters/pandoc_fignos.py
create mode 100755 presentation/report/pandoc/filters/pandoc_secnos.py
create mode 100755 presentation/report/pandoc/filters/pandoc_tablenos.py
create mode 100644 presentation/report/pandoc/filters/pandocxnos/__init__.py
create mode 100644 presentation/report/pandoc/filters/pandocxnos/core.py
create mode 100644 presentation/report/pandoc/filters/pandocxnos/main.py
create mode 100644 presentation/report/pandoc/filters/pandocxnos/pandocattributes.py
create mode 100644 presentation/report/report.md

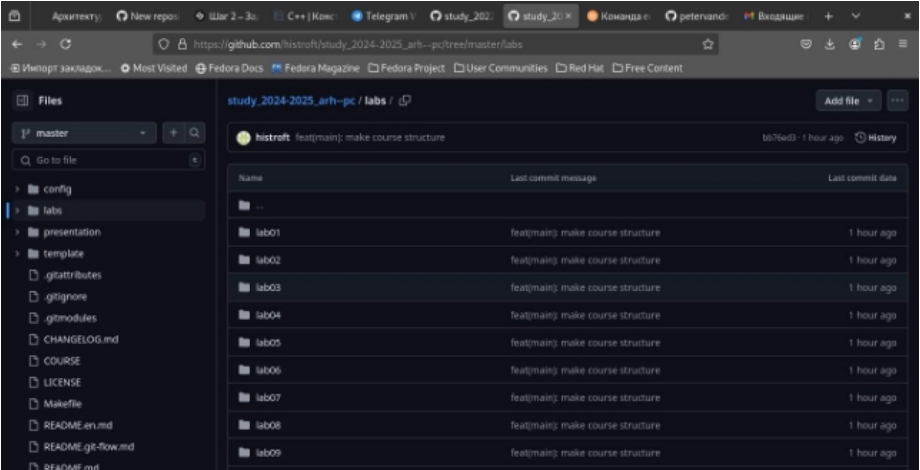
> git push
Перечисление объектов: 40, готово.
Подсчет объектов: 100% (40/40), готово.
При сжатии изменений используется до 4 потоков
Сжатие объектов: 100% (32/32), готово.
Запись объектов: 100% (38/38), 341.77 КиБ | 2.51 МиБ/с, готово.
Total 38 (delta 6), reused 1 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (6/6), completed with 2 local objects.
To github.com:histroft/study_2024-2025_arh--pc.git
4c4a025..bb76ed3 master -> master

~/w/s/2/A/arch-pc master 05:48:35
```

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6.

GitHub



. 20

6.

1.



```

4c4a025..bb76ed3 master -> master
~/Desktop/Пособия/Пособия.pdf work/study/2024-2025/Архитектура\ компьютер\ arch-pc/labs/lab01/report/

```

21. ( , GitHub 3  
5 )

7. Git, GitHub,  
 , .

8.

- (VCS) — , , .
- : , .  
Commit: , , . :  
 , .  
:
- VCS VCS ( , Subversion).  
Git).
- , pull push .
- Git: , , , .
- git init git pull ( )  
git push  
git status  
git add . / / / git diff  
/ / git rm — /  
-am ‘ , ( / ) git commit  
— , git checkout —  
git push origin — git merge  
-no-ff — git branch -d —

```

git branch -D __
git push
origin : __
• : 1. : git init 2. : git add .
3. : git commit -m " "
: 1. : git clone
GitHub 2. : git push origin main 3.
: git pull origin main 14

```