

Лабораторная работа No.4

Установка и конфигурация операционной системы на виртуальную машину

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Группа: НКАбд-05-22

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1 Цель работы

Целью работы является освоение процедуры оформления отчетов с помощью легковесного языка разметки Markdown.

2 Задание

1. В соответствующем каталоге сделайте отчёт по лабораторной работе No 3 в формате Markdown. В качестве отчёта необходимо предоставить отчёты в 3 форматах: pdf, docx и md.
2. Загрузите файлы на github.

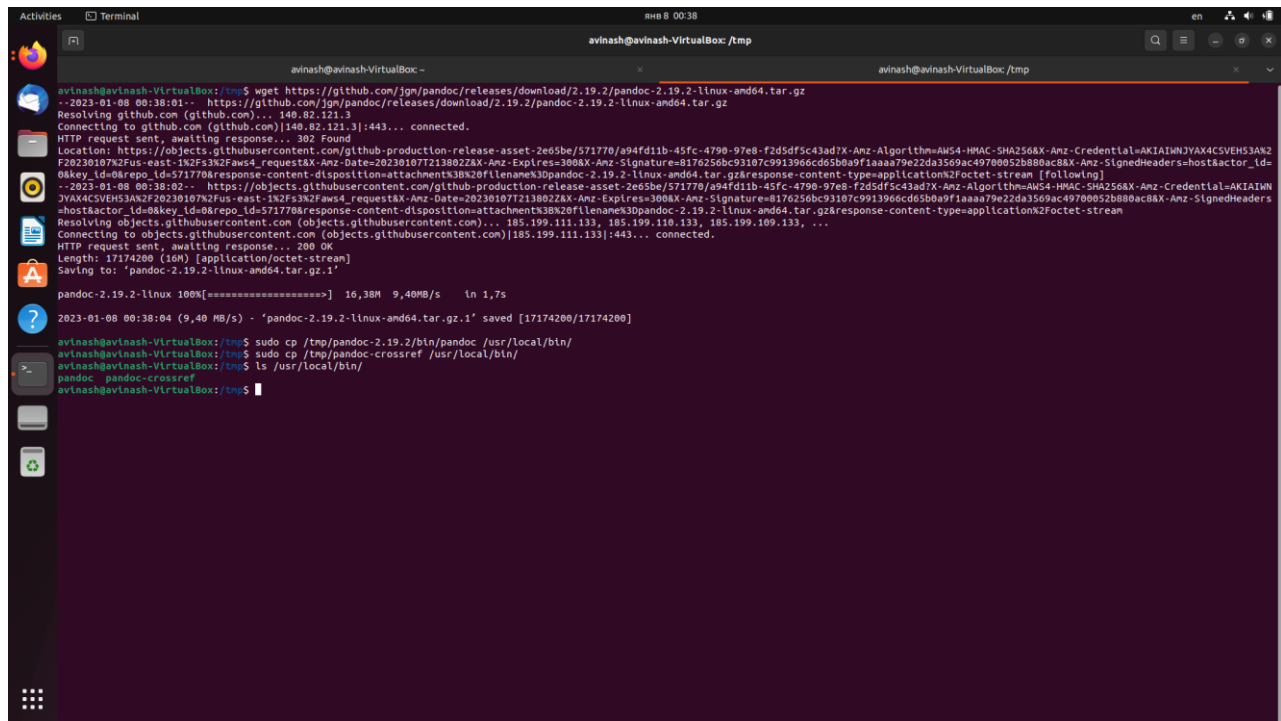
3 Теоретическое введение

Архитектура ЭВМ Чтобы вложить один список в другой, добавьте отступ для элементов дочер- него списка: - List item 1 - List item A - List item B - List item 2
Синтаксис Markdown для встроенной ссылки состоит из части [link text], представляющей текст гиперссылки, и части (file-name.md) – URL-адреса или имени файла, на который дается ссылка: [link text](#) или [link text](#) Markdown поддерживает как встраивание фрагментов кода в предложение, так и их размещение между предложениями в виде отдельных огражденных блоков. Огражденные блоки кода — это простой способ выделить синтаксис для фрагментов кода. Общий формат огражденных блоков кода:

your code goes in here

4 Выполнение лабораторной работы

Здесь мы переходим к распакованному файлу и применяем команд”sudo perl./ install-tl -sin” Здесь мы устанавливаем Panok и pandoc-CrossRef



```
avinish@avinish-VirtualBox: /tmp
avinish@avinish-VirtualBox:~$ wget https://github.com/jgm/pandoc/releases/download/2.19.2/pandoc-2.19.2-linux-and64.tar.gz
--2023-01-08 00:38:01-- https://github.com/jgm/pandoc/releases/download/2.19.2/pandoc-2.19.2-linux-and64.tar.gz
Resolving github.com (github.com)... 140.82.121.3
Connecting to github.com (github.com):443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/571770/a94fd11b-45fc-4790-97e8-f2d5df5c43ad?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53ANZ
F20230107K2Fus-east-1k2F53K2Faws4_request&X-Amz-Date=20230107T213802Z&X-Amz-Expires=300&X-Amz-Signature=8176256bc93107c9913966cd65b0a9f1aaaa79e22da3569ac49700052b88ac8&X-Amz-SignedHeaders=host&actor_id=
0&key_id=0&repo_id=571770&response-content-disposition=attachment;filename=pandoc-2.19.2-linux-and64.tar.gz&response-content-type=application/octet-stream [following]
--2023-01-08 00:38:02-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/571770/a94fd11b-45fc-4790-97e8-f2d5df5c43ad?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWN
JYAX4CSVEH53ANZF20230107K2Fus-east-1k2F53K2Faws4_request&X-Amz-Date=20230107T213802Z&X-Amz-Expires=300&X-Amz-Signature=8176256bc93107c9913966cd65b0a9f1aaaa79e22da3569ac49700052b88ac8&X-Amz-SignedHeaders
=host&actor_id=0&key_id=0&repo_id=571770&response-content-disposition=attachment;filename=pandoc-2.19.2-linux-and64.tar.gz&response-content-type=application/octet-stream
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.111.133; 185.199.110.133; 185.199.109.133; ...
Connecting to objects.githubusercontent.com (objects.githubusercontent.com):443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 17174200 (16M) [application/octet-stream]
Saving to: 'pandoc-2.19.2-linux-and64.tar.gz.1'

pandoc-2.19.2-linux 100%[=====] 16,38M  9,40MB/s   in 1,7s

2023-01-08 00:38:04 (9,40 MB/s) - 'pandoc-2.19.2-linux-and64.tar.gz.1' saved [17174200/17174200]

avinish@avinish-VirtualBox:~$ sudo cp /tmp/pandoc-2.19.2/bin/pandoc /usr/local/bin/
avinish@avinish-VirtualBox:~$ sudo cp /tmp/pandoc-crossref /usr/local/bin/
avinish@avinish-VirtualBox:~$ ls /usr/local/bin/
pandoc  pandoc-crossref
avinish@avinish-VirtualBox:~$
```

Рис. 1: Название рисунка

Переходим в каталог курса, сгенерированный во время

```
Activities Terminal hha 00:03 en
avinish@avinish-VirtualBox: -
avinish@avinish-VirtualBox: -
avinish@avinish-VirtualBox: -
HTTP request sent, awaiting response... 404 Not Found
2023-01-07 23:59:26 ERROR 404: Not Found.

avinish@avinish-VirtualBox: $ wget https://github.com/jgm/pandoc/releases/download/2.19.2/pandoc-2.19.2-linux-and64.tar.gz
--2023-01-08 00:01:05-- https://github.com/jgm/pandoc/releases/download/2.19.2/pandoc-2.19.2-linux-and64.tar.gz
Resolving github.com (github.com)... 148.82.121.4
Connecting to github.com (github.com)|148.82.121.4|:443... connected.
HTTP request sent, awaiting response... 404 Not Found
2023-01-08 00:01:05 ERROR 404: Not Found.

avinish@avinish-VirtualBox: $ wget https://github.com/jgm/pandoc/releases/download/2.19.2/pandoc-2.19.2-linux-and64.tar.gz
--2023-01-08 00:01:57-- https://github.com/jgm/pandoc/releases/download/2.19.2/pandoc-2.19.2-linux-and64.tar.gz
Resolving github.com (github.com)... 148.82.121.4
Connecting to github.com (github.com)|148.82.121.4|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/571770/a94fd11b-45fc-4798-97e8-f2d5df5c43ad7X-Anz-Algorithm=AWS4-HMAC-SHA256&X-Anz-Credential=AKIAIWNJYAX4CSVEH53ANZ
F20230107K2Fus-east-1XZf53K2Faws4_request&X-Anz-Date=20230107T211210Z&X-Anz-Expires=300&X-Anz-Signature=d403faeb7bfc4b0fe53993fae0d1c9409d997c129f2daa5b032b4c852f03005&X-Anz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=571770&response-content-disposition=attachment;filename=30pandoc-2.19.2-linux-and64.tar.gz&response-content-type=application%2Foctet-stream [following]
--2023-01-08 00:01:57-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/571770/a94fd11b-45fc-4798-97e8-f2d5df5c43ad7X-Anz-Algorithm=AWS4-HMAC-SHA256&X-Anz-Credential=AKIAIWNJYAX4CSVEH53ANZF20230107K2Fus-east-1XZf53K2Faws4_request&X-Anz-Date=20230107T211210Z&X-Anz-Expires=300&X-Anz-Signature=d403faeb7bfc4b0fe53993fae0d1c9409d997c129f2daa5b032b4c852f03005&X-Anz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=571770&response-content-disposition=attachment;filename=30pandoc-2.19.2-linux-and64.tar.gz&response-content-type=application%2Foctet-stream
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.109.133, 185.199.111.133, 185.199.109.133, 185.199.110.133, ...
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)|185.199.109.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 17174200 (16M) [application/octet-stream]
Saving to: 'pandoc-2.19.2-linux-and64.tar.gz'

pandoc-2.19.2-linux 100%[=====] 16.38M 8.80MB/s in 1.9s

2023-01-08 00:02:00 (8.80 MB/s) - 'pandoc-2.19.2-linux-and64.tar.gz' saved [17174200/17174200]

avinish@avinish-VirtualBox: $ wget https://github.com/l1erdakil/pandoc-crossref/releases/download/v0.3.14.0/pandoc-crossref-Linux.tar.xz
--2023-01-08 00:03:00-- https://github.com/l1erdakil/pandoc-crossref/releases/download/v0.3.14.0/pandoc-crossref-Linux.tar.xz
Resolving github.com (github.com)... 148.82.121.4
Connecting to github.com (github.com)|148.82.121.4|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/32545539/74121580-2feb-40b7-ab00-827e6636912b7X-Anz-Algorithm=AWS4-HMAC-SHA256&X-Anz-Credential=AKIAIWNJYAX4CSVEH53ANZ
F20230107K2Fus-east-1XZf53K2Faws4_request&X-Anz-Date=20230107T211312Z&X-Anz-Expires=300&X-Anz-Signature=8dd88bf1665d7b961b96746cad2bcd9892c3b970f92a14560f99e883f70beb08&X-Anz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=32545539&response-content-disposition=attachment;filename=30pandoc-crossref-Linux.tar.xz&response-content-type=application%2Foctet-stream [following]
--2023-01-08 00:03:00-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/32545539/74121580-2feb-40b7-ab00-827e6636912b7X-Anz-Algorithm=AWS4-HMAC-SHA256&X-Anz-Credential=AKIAIWNJYAX4CSVEH53ANZF20230107K2Fus-east-1XZf53K2Faws4_request&X-Anz-Date=20230107T211312Z&X-Anz-Expires=300&X-Anz-Signature=8dd88bf1665d7b961b96746cad2bcd9892c3b970f92a14560f99e883f70beb08&X-Anz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=32545539&response-content-disposition=attachment;filename=30pandoc-crossref-Linux.tar.xz&response-content-type=application%2Foctet-stream
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.108.133, 185.199.111.133, 185.199.109.133, 185.199.109.133, ...
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)|185.199.108.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 7147320 (6.8M) [application/octet-stream]
Saving to: 'pandoc-crossref-Linux.tar.xz'

pandoc-crossref-L 100%[=====] 6.82M 6.83MB/s in 1.0s

2023-01-08 00:03:02 (6.83 MB/s) - 'pandoc-crossref-Linux.tar.xz' saved [7147320/7147320]

avinish@avinish-VirtualBox: $
```

```
Activities Terminal RHEL 7 23:50 en avinash@avinash-VirtualBox: /tmp/install-tl-20230107

Installing [4475/4487, time/total: 01:09:24/01:09:30]: zlmnt [233k]
Installing [4476/4487, time/total: 01:09:26/01:09:32]: zootaxa-bst [139k]
Installing [4477/4487, time/total: 01:09:27/01:09:33]: zref [704k]
Installing [4478/4487, time/total: 01:09:29/01:09:34]: zref-check [1070k]
Installing [4479/4487, time/total: 01:09:30/01:09:34]: zref-clever [1602k]
Installing [4480/4487, time/total: 01:09:32/01:09:34]: zref-vario [775k]
Installing [4481/4487, time/total: 01:09:34/01:09:36]: zrefdate [242k]
Installing [4482/4487, time/total: 01:09:36/01:09:37]: zwagelayout [641k]
Installing [4483/4487, time/total: 01:09:37/01:09:38]: zx-calculus [636k]
Installing [4484/4487, time/total: 01:09:38/01:09:38]: zxjafbfnt [3k]
Installing [4485/4487, time/total: 01:09:40/01:09:40]: zxfont [173k]
Installing [4486/4487, time/total: 01:09:41/01:09:41]: zxfatype [144k]
Installing [4487/4487, time/total: 01:09:42/01:09:42]: zztex [147k]
Time used for installing the packages: 1:09:43
Running mktexlsr /usr/local/texlive/2022/texmf-dist ...
mktexlsr: Updating /usr/local/texlive/2022/texmf-dist/ls-R...
mktexlsr: Done.
Writing fntutil.cnf to /usr/local/texlive/2022/texmf-dist/web2c/fntutil.cnf
Writing updmap.cfg to /usr/local/texlive/2022/texmf-dist/web2c/updmap.cfg
Writing language.dat to /usr/local/texlive/2022/texmf-var/tex/generic/config/language.dat
Writing language.def to /usr/local/texlive/2022/texmf-var/tex/generic/config/language.def
Writing language.dat.lua to /usr/local/texlive/2022/texmf-var/tex/generic/config/language.dat.lua
Running mktexlsr /usr/local/texlive/2022/texmf-var /usr/local/texlive/2022/texmf-config /usr/local/texlive/2022/texmf-dist ...
mktexlsr: Updating /usr/local/texlive/2022/texmf-config/ls-R...
mktexlsr: Updating /usr/local/texlive/2022/texmf-dist/ls-R...
mktexlsr: Updating /usr/local/texlive/2022/texmf-var/ls-R...
mktexlsr: Done.
Running updmap-sys --nohash ...done
Re-running mktexlsr /usr/local/texlive/2022/texmf-var /usr/local/texlive/2022/texmf-config ...
mktexlsr: Updating /usr/local/texlive/2022/texmf-config/ls-R...
mktexlsr: Updating /usr/local/texlive/2022/texmf-var/ls-R...
mktexlsr: Done.
Setting up ConTeXt cache: running mtrun --generate ...done
Pre-generating all format files, be patient...
Running fntutil-sys --no-error-if-no-engine-lua[jthbtx,luajitex,nlua] --no-strict --all ...done
Running package-specific postactions
Finished with package-specific postactions

Welcome to TeX Live!

See /usr/local/texlive/2022/index.html for links to documentation.
The TeX Live web site (https://tug.org/texlive/) contains any updates and corrections. TeX Live is a joint project of the TeX user groups around the world; please consider supporting it by joining the group best for you. The list of groups is available on the web at https://tug.org/usergroups.html.

Add /usr/local/texlive/2022/texmf-dist/doc/man to MANPATH.
Add /usr/local/texlive/2022/texmf-dist/doc/info to INFOPATH.
Most importantly, add /usr/local/texlive/2022/bin/x86_64-linux to your PATH for current and future sessions.
Logfile: /usr/local/texlive/2022/install-tl.log
avinash@avinash-VirtualBox: /tmp/install-tl-20230107$ export PATH=$PATH:/usr/local/texlive/2022/bin/x86_64-linux
avinash@avinash-VirtualBox: /tmp/install-tl-20230107$ export PATH=$PATH:/usr/local/texlive/2022/bin/x86_64-linux
avinash@avinash-VirtualBox: /tmp/install-tl-20230107$
```

```
Activities Terminal RHEL 7 23:45 en avinash@avinash-VirtualBox: /tmp/install-tl-20230107

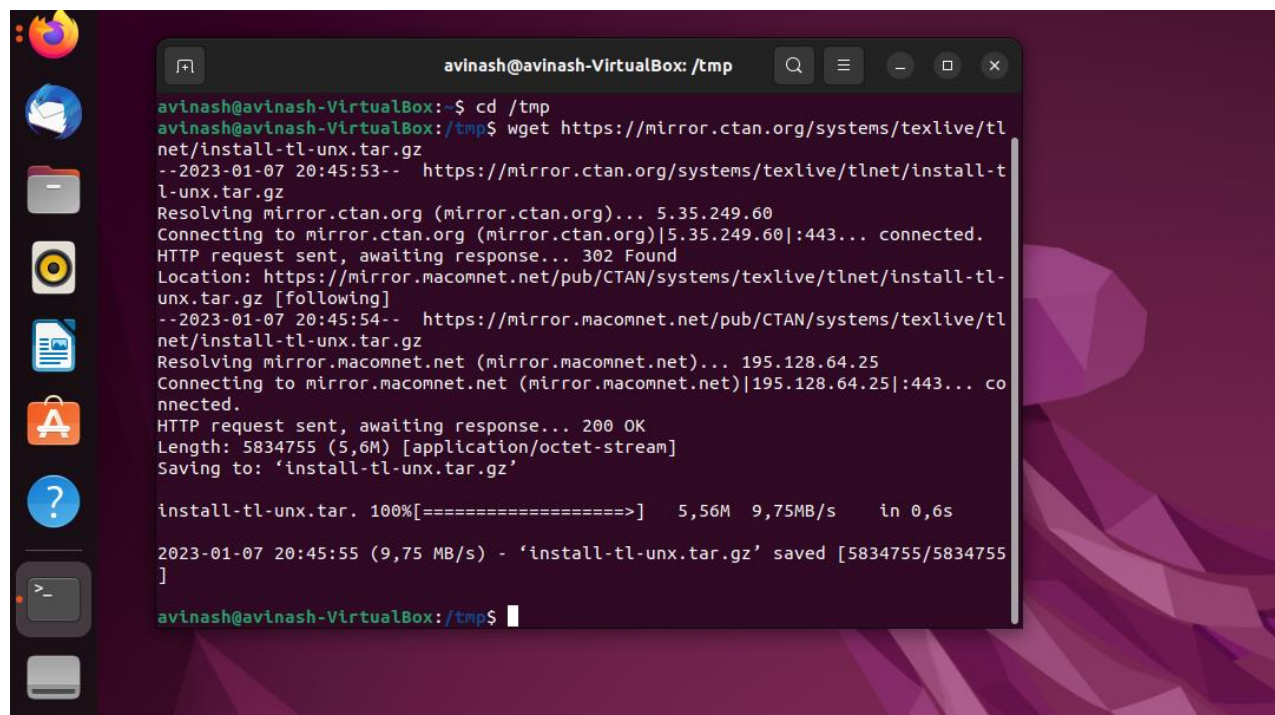
Installing [4473/4487, time/total: 01:09:22/01:09:29]: ziffer [3k]
Installing [4474/4487, time/total: 01:09:23/01:09:30]: ztitle [347k]
Installing [4475/4487, time/total: 01:09:24/01:09:30]: zlmnt [233k]
Installing [4476/4487, time/total: 01:09:26/01:09:32]: zootaxa-bst [139k]
Installing [4477/4487, time/total: 01:09:27/01:09:33]: zref [704k]
Installing [4478/4487, time/total: 01:09:29/01:09:34]: zref-check [1070k]
Installing [4479/4487, time/total: 01:09:30/01:09:34]: zref-clever [1602k]
Installing [4480/4487, time/total: 01:09:32/01:09:34]: zref-vario [775k]
Installing [4481/4487, time/total: 01:09:34/01:09:36]: zrefdate [242k]
Installing [4482/4487, time/total: 01:09:36/01:09:37]: zwagelayout [641k]
Installing [4483/4487, time/total: 01:09:37/01:09:38]: zx-calculus [636k]
Installing [4484/4487, time/total: 01:09:38/01:09:38]: zxjafbfnt [3k]
Installing [4485/4487, time/total: 01:09:40/01:09:40]: zxfont [173k]
Installing [4486/4487, time/total: 01:09:41/01:09:41]: zxfatype [144k]
Installing [4487/4487, time/total: 01:09:42/01:09:42]: zztex [147k]
Time used for installing the packages: 1:09:43
Running mktexlsr /usr/local/texlive/2022/texmf-dist ...
mktexlsr: Updating /usr/local/texlive/2022/texmf-dist/ls-R...
mktexlsr: Done.
Writing fntutil.cnf to /usr/local/texlive/2022/texmf-dist/web2c/fntutil.cnf
Writing updmap.cfg to /usr/local/texlive/2022/texmf-dist/web2c/updmap.cfg
Writing language.dat to /usr/local/texlive/2022/texmf-var/tex/generic/config/language.dat
Writing language.def to /usr/local/texlive/2022/texmf-var/tex/generic/config/language.def
Writing language.dat.lua to /usr/local/texlive/2022/texmf-var/tex/generic/config/language.dat.lua
Running mktexlsr /usr/local/texlive/2022/texmf-var /usr/local/texlive/2022/texmf-config /usr/local/texlive/2022/texmf-dist ...
mktexlsr: Updating /usr/local/texlive/2022/texmf-config/ls-R...
mktexlsr: Updating /usr/local/texlive/2022/texmf-dist/ls-R...
mktexlsr: Updating /usr/local/texlive/2022/texmf-var/ls-R...
mktexlsr: Done.
Running updmap-sys --nohash ...done
Re-running mktexlsr /usr/local/texlive/2022/texmf-var /usr/local/texlive/2022/texmf-config ...
mktexlsr: Updating /usr/local/texlive/2022/texmf-config/ls-R...
mktexlsr: Updating /usr/local/texlive/2022/texmf-var/ls-R...
mktexlsr: Done.
Setting up ConTeXt cache: running mtrun --generate ...done
Pre-generating all format files, be patient...
Running fntutil-sys --no-error-if-no-engine-lua[jthbtx,luajitex,nlua] --no-strict --all ...done
Running package-specific postactions
Finished with package-specific postactions

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Add /usr/local/texlive/2022/texmf-dist/doc/man to MANPATH.
Add /usr/local/texlive/2022/texmf-dist/doc/info to INFOPATH.
Most importantly, add /usr/local/texlive/2022/bin/x86_64-linux to your PATH for current and future sessions.
Logfile: /usr/local/texlive/2022/install-tl.log
avinash@avinash-VirtualBox: /tmp/install-tl-20230107$
```

Рис. 2: Название рисунка



```
avinish@avinish-VirtualBox: /tmp
avinish@avinish-VirtualBox:~$ cd /tmp
avinish@avinish-VirtualBox:/tmp$ wget https://mirror.ctan.org/systems/texlive/tl
net/install-tl-unx.tar.gz
--2023-01-07 20:45:53-- https://mirror.ctan.org/systems/texlive/tlnet/install-t
l-unx.tar.gz
Resolving mirror.ctan.org (mirror.ctan.org)... 5.35.249.60
Connecting to mirror.ctan.org (mirror.ctan.org)|5.35.249.60|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://mirror.macomnet.net/pub/CTAN/systems/texlive/tlnet/install-tl
-unx.tar.gz [following]
--2023-01-07 20:45:54-- https://mirror.macomnet.net/pub/CTAN/systems/texlive/tl
net/install-tl-unx.tar.gz
Resolving mirror.macomnet.net (mirror.macomnet.net)... 195.128.64.25
Connecting to mirror.macomnet.net (mirror.macomnet.net)|195.128.64.25|:443... co
nected.
HTTP request sent, awaiting response... 200 OK
Length: 5834755 (5,6M) [application/octet-stream]
Saving to: 'install-tl-unx.tar.gz'

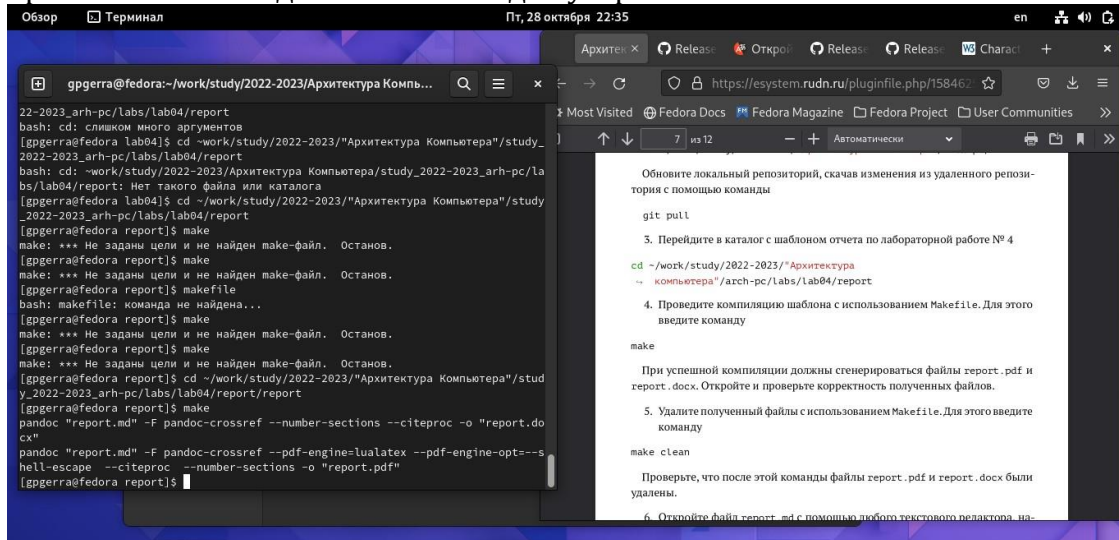
install-tl-unx.tar. 100%[=====>] 5,56M 9,75MB/s in 0,6s

2023-01-07 20:45:55 (9,75 MB/s) - 'install-tl-unx.tar.gz' saved [5834755/5834755
]
avinish@avinish-VirtualBox:/tmp$
```

переходим в каталог курса, сгенерированный во время лабораторной работы 3, обновляем локальный репозиторий, применив команду “git pull”. Затем мы переходим в каталог с шаблоном отчета lab4

Реализация компиляции растений с помощью команды “make” луэго абримослос архивос дженерадос, пересмотр задач, которые стоят перед вами, и

применение команды “make clean” для устранения



5 Выводы

В настоящее время лаборатория, aprendemos a usar correctamente Markdown и TeX Live.

Список литературы