

Лабораторная работа №4.

Язык

разметки

Markdown

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Цель работы

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


Установка TeX Live

1.- скачать файл на официальной странице

```
[sbrasales@fedora tmp]$ wget https://mirror.ctan.org/systems/texlive/tlnet/install-tl-unx.tar.gz

--2022-11-02 20:53:58--  https://mirror.ctan.org/systems/texlive/tlnet/install-tl-unx.tar.gz
Распознаётся mirror.ctan.org (mirror.ctan.org)... 5.35.249.60
Подключение к mirror.ctan.org (mirror.ctan.org)|5.35.249.60|:443... соединение установлено.
HTTP-запрос отправлен. Ожидание ответа... 302 Found
Адрес: https://mirror.macomnet.net/pub/CTAN/systems/texlive/tlnet/install-tl-unx.tar.gz [переход]
--2022-11-02 20:53:59--  https://mirror.macomnet.net/pub/CTAN/systems/texlive/tlnet/install-tl-unx.tar.gz
Распознаётся mirror.macomnet.net (mirror.macomnet.net)... 195.128.64.25
Подключение к mirror.macomnet.net (mirror.macomnet.net)|195.128.64.25|:443... соединение установлено.
HTTP-запрос отправлен. Ожидание ответа... 200 OK
Длина: 5834751 (5.6M) [application/octet-stream]
Сохранение в: «install-tl-unx.tar.gz»

install-tl-unx.tar. 20%[==>] 1.15M 134KB/s ост 42s
```

Открыть ▾  texlive.tlpdb
~/Downloads

```
name 00texlive.config
category TLCore
revision 54074
shortdesc TeX Live network archive option settings
longdesc This package contains configuration options for the TeX Live
longdesc archive. If container_split_{doc,src}_files/1 are dependencies,
longdesc the {doc,src} files are split into separate containers
longdesc (.tar.xz) during container build time. This has NO effect on
longdesc the appearance within texlive.tlpdb. It is only on the
longdesc container level. The container_format/WHATEVER specifies the
longdesc format, currently "xz" is the only supported value (generating
longdesc .tar.xz files). release/YYYY specifies the release number as
longdesc used in the installer. minrelease/YYYY specifies the minimum
longdesc release for which this repository is valid, i.e., a release of
longdesc YYYY or later can theoretically be upgraded. Further
longdesc information concerning upgrades can be found at
longdesc http://www.tug.org/texlive/upgrade.html frozen/[01] specifies
longdesc whether the release has been frozen The default values are
longdesc taken from TeXLive::TLConfig::TLPDBConfigs hash values at tlpdb
longdesc creation time but can be overridden here if necessary. For
longdesc information on the 00texlive prefix see
longdesc 00texlive.installation(.tlpsrc)
depend container_format/xz
```

```
sbrasales@fedora:/tmp/install-tl-20221102
===== TeX Live installation procedure =====
===== Letters/digits in <angle brackets> indicate =====
===== menu items for actions or customizations =====
help> https://tug.org/texlive/doc/install-tl.html =====

Detected platform: GNU/Linux on x86_64

<B> set binary platforms: 1 out of 16

<S> set installation scheme: scheme-full

<C> set installation collections:
    40 collections out of 41, disk space required: 7638 MB (free: 7975 MB)

<D> set directories:
    TEXDIR (the main TeX directory):
        /usr/local/texlive/2022
    TEXMFLOCAL (directory for site-wide local files):
        /usr/local/texlive/texmf-local
    TEXMFSYSVAR (directory for variable and automatically generated data):
        /usr/local/texlive/2022/texmf-var
    TEXMFSYSCONFIG (directory for local config):
        /usr/local/texlive/2022/texmf-config
```

```
sbrasales@fedora:/tmp/install-tl-20221102
<O> options:
    [ ] use letter size instead of A4 by default
    [X] allow execution of restricted list of programs via \write18
    [X] create all format files
    [X] install macro/font doc tree
    [X] install macro/font source tree
    [ ] create symlinks to standard directories

<V> set up for portable installation

actions:
<I> start installation to hard disk
<P> save installation profile to 'texlive.profile' and exit
<Q> quit

Enter command: P
Installation profile saved to 'texlive.profile', exiting.
sbrasales@fedora install-tl-20221102]$ ls
install-tl  LICENSE.TL  texlive.profile  tlpkg
LICENSE.CTAN  release-texlive.txt  texmf-dist
sbrasales@fedora install-tl-20221102]$ export PATH=$PATH:/usr/local/texlive/2022/bin/x86_64-linux
sbrasales@fedora install-tl-20221102]$
```

```
sbrasales@fedora:/tmp/install-tl-20221102
===== TeX Live installation procedure =====
===== Letters/digits in <angle brackets> indicate =====
===== menu items for actions or customizations =====
help> https://tug.org/texlive/doc/install-tl.html =====

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        /usr/local/texlive/texmf-local
    TEXMFSYSVAR (directory for variable and automatically generated data):
        /usr/local/texlive/2022/texmf-var
    TEXMFSYSCONFIG (directory for local config):
        /usr/local/texlive/2022/texmf-config
```

```
sbrasales@fedora:/tmp/install-tl-20221102
<O> options:
    [ ] use letter size instead of A4 by default
    [X] allow execution of restricted list of programs via \write18
    [X] create all format files
    [X] install macro/font doc tree
    [X] install macro/font source tree
    [ ] create symlinks to standard directories

<V> set up for portable installation

actions:
<I> start installation to hard disk
<P> save installation profile to 'texlive.profile' and exit
<Q> quit

Enter command: P
Installation profile saved to 'texlive.profile', exiting.
sbrasales@fedora install-tl-20221102]$ ls
install-tl  LICENSE.TL  texlive.profile  tlpkg
LICENSE.CTAN  release-texlive.txt  texmf-dist
sbrasales@fedora install-tl-20221102]$ export PATH=$PATH:/usr/local/texlive/2022/bin/x86_64-linux
sbrasales@fedora install-tl-20221102]$
```

Установка Pandoc и pandoc-crossref

```
sbrasales@fedora:/tmp

[sbrasales@fedora tmp]$ wget https://github.com/jgm/pandoc/releases/download/2.19/pandoc-2.19-linux-amd64.tar.gz
--2022-11-02 22:02:21-- https://github.com/jgm/pandoc/releases/download/2.19/pandoc-2.19-linux-amd64.tar.gz
Распознаётся github.com (github.com)... 140.82.121.3
Подключение к github.com (github.com)|140.82.121.3|:443... соединение установлено.
HTTP-запрос отправлен. Ожидание ответа... 302 Found
Адрес: https://objects.githubusercontent.com/github-production-release-asset-2e65be/571770/2abbde59-9522-4259-a9de-59e9e73f9558?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20221102%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20221102T190221Z&X-Amz-Expires=300&X-Amz-Signature=51927e6a5afbaa4590ca29769465c5de04accc4dcf9bd1f10927d2895acb1c39&X-Amz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=571770&response-content-disposition=attachment%3B%20filename%3Dpandoc-2.19-linux-amd64.tar.gz&response-content-type=application%2Foctet-stream [переход]
--2022-11-02 22:02:21-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/571770/2abbde59-9522-4259-a9de-59e9e73f9558?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20221102%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20221102T190221Z&X-Amz-Expires=300&X-Amz-Signature=51927e6a5afbaa4590ca29769465c5de04accc4dcf9bd1f10927d2895acb1c39&X-Amz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=571770&response-content-disposition=attachment%3B%20filename%3Dpandoc-2.19-linux-amd64.tar.gz&response-content-type=application%2Foctet-stream
Распознаётся objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.111.133, 185.199.108.133, 185.199.109.133, ...
Подключение к objects.githubusercontent.com (objects.githubusercontent.com)|185.199.111.133|:443... соединение установлено.
HTTP-запрос отправлен. Ожидание ответа... 200 OK
Длина: 16807538 (16M) [application/octet-stream]
Сохранение в: «pandoc-2.19-linux-amd64.tar.gz»

pandoc-2.19-linux-a 100%[=====>] 16.03M 480KB/s за 43s

2022-11-02 22:03:05 (379 KB/s) - «pandoc-2.19-linux-amd64.tar.gz» сохранён [16807538/16807538]

[sbrasales@fedora tmp]$
```



sbrasales@fedora:/tmp



```
[sbrasales@fedora tmp]$ wget https://github.com/lierdakil/pandoc-crossref/releases/download/v0.3.13.0/pandoc-crossref-Linux.tar.xz
--2022-11-02 22:12:16-- https://github.com/lierdakil/pandoc-crossref/releases/download/v0.3.13.0/pandoc-crossref-Linux.tar.xz
Распознаётся github.com (github.com)... 140.82.121.3
Подключение к github.com (github.com)|140.82.121.3|:443... соединение установлено.
HTTP-запрос отправлен. Ожидание ответа... 302 Found
Адрес: https://objects.githubusercontent.com/github-production-release-asset-2e65be/32545539/49249e98-41cf-4434-b8b4-d9910992c1e4?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20221102%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20221102T191217Z&X-Amz-Expires=300&X-Amz-Signature=86989e274cd768cceb14d673f1cdcbdc4876f9027d0f6e7866b02f00916bd354&X-Amz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=32545539&response-content-disposition=attachment%3B%20filename%3Dpandoc-crossref-Linux.tar.xz&response-content-type=application%2Foctet-stream [непеход]
--2022-11-02 22:12:17-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/32545539/49249e98-41cf-4434-b8b4-d9910992c1e4?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20221102%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20221102T191217Z&X-Amz-Expires=300&X-Amz-Signature=86989e274cd768cceb14d673f1cdcbdc4876f9027d0f6e7866b02f00916bd354&X-Amz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=32545539&response-co
```



```
sbrasales2 [Работает] - Oracle VM VirtualBox
Файл  Машина  Вид  Ввод  Устройства  Справка

Обзор  Терминал  Nov 2 22:13  en  [иконки]

sbrasales@fedora:/tmp

content-type=application%2Foctet-stream [переход]
--2022-11-02 22:12:17-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/32545539/49249e98-41cf-4434-b8b4-d9910992c1e4?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20221102%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20221102T191217Z&X-Amz-Expires=300&X-Amz-Signature=86989e274cd768cceb14d673f1cdcbdc4876f9027d0f6e7866b02f00916bd354&X-Amz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=32545539&response-content-disposition=attachment%3B%20filename%3Dpandoc-crossref-Linux.tar.xz&response-content-type=application%2Foctet-stream
Распознаётся objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.109.133, 185.199.110.133, 185.199.111.133, ...
Подключение к objects.githubusercontent.com (objects.githubusercontent.com)|185.199.109.133|:443... соединение установлено.
HTTP-запрос отправлен. Ожидание ответа... 200 OK
Длина: 6984764 (6.7M) [application/octet-stream]
Сохранение в: «pandoc-crossref-Linux.tar.xz»

pandoc-crossref- 100%[=====>] 6.66M 106KB/s за 42s

2022-11-02 22:12:59 (162 KB/s) - «pandoc-crossref-Linux.tar.xz» со
хранён [6984764/6984764]

[sbrasales@fedora tmp]$
```

```
[sbrasales@fedora tmp]$ tar -xf pandoc-2.18-linux-amd64.tar.gz
tar: pandoc-2.18-linux-amd64.tar.gz: Функция open завершилась с ош
ибкой: Нет такого файла или каталога
tar: Error is not recoverable: exiting now
[sbrasales@fedora tmp]$ tar -xf pandoc-2.19-linux-amd64.tar.gz
[sbrasales@fedora tmp]$ tar -xf pandoc-crossref-Linux.tar.xz
[sbrasales@fedora tmp]$ sudo cp /tmp/pandoc-2.19/bin/pandoc /usr/l
ocal/bin/
[sudo] пароль для sbrasales:
[sbrasales@fedora tmp]$ sudo cp /tmp/pandoc-crossref /usr/local/bi
n/
[sbrasales@fedora tmp]$
```

```
[sbrasales@fedora tmp]$ tar -xf pandoc-2.18-linux-amd64.tar.gz
tar: pandoc-2.18-linux-amd64.tar.gz: Функция open завершилась с ош
ибкой: Нет такого файла или каталога
tar: Error is not recoverable: exiting now
[sbrasales@fedora tmp]$ tar -xf pandoc-2.19-linux-amd64.tar.gz
[sbrasales@fedora tmp]$ tar -xf pandoc-crossref-Linux.tar.xz
[sbrasales@fedora tmp]$ sudo cp /tmp/pandoc-2.19/bin/pandoc /usr/l
ocal/bin/
[sudo] пароль для sbrasales:
[sbrasales@fedora tmp]$ sudo cp /tmp/pandoc-crossref /usr/local/bi
n/
[sbrasales@fedora tmp]$ ls /usr/local/bin/
pandoc  pandoc-crossref
[sbrasales@fedora tmp]$
```

Открыть ▾

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report.md

Сохранить

≡

×

~/work/study/2022-2023/Архитектура компьютера/arch-pc/labs/lab04/report

```
1 |---
2 ## Front matter
3 title: "Шаблон отчёта по лабораторной работе"
4 subtitle: "Простейший вариант"
5 author: "Дмитрий Сергеевич Кулябов"
6
7 ## Generic options
8 lang: ru-RU
9 toc-title: "Содержание"
10
11 ## Bibliography
12 bibliography: bib/cite.bib
13 csl: pandoc/csl/gost-r-7-0-5-2008-numeric.csl
14
15 ## Pdf output format
16 toc: true # Table of contents
17 toc-depth: 2
18 lof: true # List of figures
19 lot: true # List of tables
20 fontsize: 12pt
21 linestretch: 1.5
22 papersize: a4
23 documentclass: screprt
24 ## I18n polyglossia
25 polyglossia-lang:
26   name: russian
27   options:
28     - spelling=modern
29     - babelshorthands=true
30 polyglossia-otherlangs:
31
```

Markdown ▾ Ширина табуляции: 8 ▾ Стр 1, Стлб 1 ▾ ВСТ