

Лабораторная работа №3.

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Цели и задачи работы

Научиться оформлять отчёты с помощью легковесного языка разметки Markdown.

Процесс выполнения лабораторной работы

Для обработки файлов в формате Markdown скачаем pandoc, pandoc-citeproc и pandoc-crossref

v0.3.17.0c

Latest

Linux: pandoc-crossref v0.3.17.0 git commit [a428e2d](#) (HEAD) built with Pandoc v3.1.11.1, pandoc-types v1.23.1 and GHC 9.6.4






Windows: pandoc-crossref v0.3.17.0 git commit [a428e2d](#) (HEAD) built with Pandoc v3.1.11.1, pandoc-types v1.23.1 and GHC 9.6.4

macOS: pandoc-crossref v0.3.17.0 git commit [a428e2d](#) (HEAD) built with Pandoc v3.1.11.1, pandoc-types v1.23.1 and GHC 9.6.4

Changelog

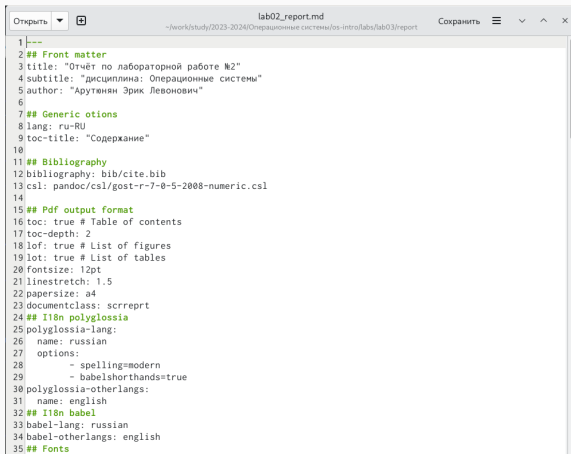
▼ Assets

5

 pandoc-crossref-Linux.tar.xz	8.29 MB	3 weeks ago
 pandoc-crossref-macOS.tar.xz	4.23 MB	3 weeks ago
 pandoc-crossref-Windows.7z	17.9 MB	3 weeks ago
 Source code (zip)		3 weeks ago
 Source code (tar.gz)		3 weeks ago



Изменение шаблона для лабораторной работы № 2



The image shows a text editor window titled 'lab02_report.md' with a file path of '~\work\study\2023-2024\Операционные системы\os-intro\labs\lab03\report'. The editor contains a LaTeX Beamer template for a lab report. The code is as follows:

```
1 | ---
2 | ## Front matter
3 | title: "Отчёт по лабораторной работе №2"
4 | subtitle: "дисциплина: Операционные системы"
5 | author: "Арутюнян Эрик Левонович"
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: scrreprt
24 | ## I18n polyglossia
25 | polyglossia-lang:
26 |   name: russian
27 |   options:
28 |     - spelling=modern
29 |     - babelshorthands=true
30 | polyglossia-otherlangs:
31 |   name: english
32 | ## I18n babel
33 | babel-lang: russian
34 | babel-otherlangs: english
35 | ## Fonts
```

Рис. 1: Изменение шаблона

Переход в каталог report в терминале

```
elaryutyunyan@dk3n62 ~/work/blog $ cd
elaryutyunyan@dk3n62 ~ $ cd work
elaryutyunyan@dk3n62 ~/work $ cd study
elaryutyunyan@dk3n62 ~/work/study $ cd 2023-2024
elaryutyunyan@dk3n62 ~/work/study/2023-2024 $ cd "Операционные системы"
elaryutyunyan@dk3n62 ~/work/study/2023-2024/Операционные системы $ cd os-intro
elaryutyunyan@dk3n62 ~/work/study/2023-2024/Операционные системы/os-intro $ cd labd
bash: cd: labd: Нет такого файла или каталога
elaryutyunyan@dk3n62 ~/work/study/2023-2024/Операционные системы/os-intro $ cd labs
elaryutyunyan@dk3n62 ~/work/study/2023-2024/Операционные системы/os-intro/labs $ cd lab03
elaryutyunyan@dk3n62 ~/work/study/2023-2024/Операционные системы/os-intro/labs/lab03 $ cd report
elaryutyunyan@dk3n62 ~/work/study/2023-2024/Операционные системы/os-intro/labs/lab03/report $ ls
bib image lab02_report.md Makefile pandoc
```

Рис. 2: Переход в каталог report в терминале

Конвертируем наш файл в формате Markdown в pdf и docx.

```
slarytunyan@3n62 ~/work/study/2022-2024/Операционные системы/os-intro/labs/lab03/report $ pandoc lab02_report.md -o lab02_report.docx
[WARNING] Could not fetch resource image/1.jpg: replacing image with description
[WARNING] Could not fetch resource image/2.jpg: replacing image with description
[WARNING] Could not fetch resource image/3.jpg: replacing image with description
[WARNING] Could not fetch resource image/4.jpg: replacing image with description
[WARNING] Could not fetch resource image/5.jpg: replacing image with description
[WARNING] Could not fetch resource image/6.jpg: replacing image with description
[WARNING] Could not fetch resource image/7.jpg: replacing image with description
[WARNING] Could not fetch resource image/8.jpg: replacing image with description
[WARNING] Could not fetch resource image/9.jpg: replacing image with description
[WARNING] Could not fetch resource image/10.jpg: replacing image with description
[WARNING] Could not fetch resource image/11.jpg: replacing image with description
slarytunyan@3n62 ~/work/study/2022-2024/Операционные системы/os-intro/labs/lab03/report $ pandoc lab02_report.md -o lab02_report.pdf
[WARNING] Could not fetch resource image/1.jpg: replacing image with description
[WARNING] Could not fetch resource image/2.jpg: replacing image with description
[WARNING] Could not fetch resource image/3.jpg: replacing image with description
[WARNING] Could not fetch resource image/4.jpg: replacing image with description
[WARNING] Could not fetch resource image/5.jpg: replacing image with description
[WARNING] Could not fetch resource image/6.jpg: replacing image with description
[WARNING] Could not fetch resource image/7.jpg: replacing image with description
[WARNING] Could not fetch resource image/8.jpg: replacing image with description
[WARNING] Could not fetch resource image/9.jpg: replacing image with description
[WARNING] Could not fetch resource image/10.jpg: replacing image with description
[WARNING] Could not fetch resource image/11.jpg: replacing image with description
Error producing PDF.
! LaTeX Error: Unicode character 0 (U+041E)
not set up for use with LaTeX.

See the LaTeX manual or LaTeX Companion for explanation.
Type H <return> for immediate help.
....
1.84
```

Рис. 3: Конвертируем в pdf и docx

Проверяем выполнение данных команд, перейдя в нашу папку lab03, report

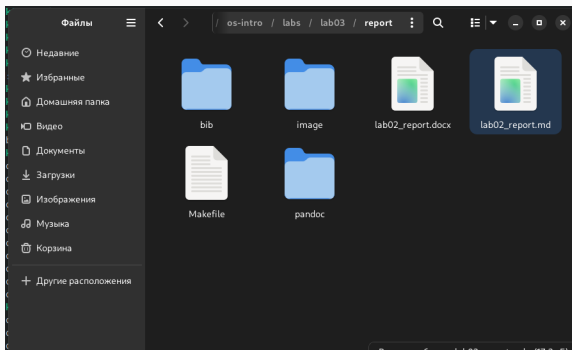


Рис. 4: Проверка создания файлов

В ходе выполнения лабораторной работы мы научились оформлять отчёты с помощью легковесного языка Markdown.