

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



pandoc 3.1.12.1


Latest

► Click to expand changelog

▼ Assets 12

 pandoc-3.1.12.1-1-amd64.deb	30 MB	last week
 pandoc-3.1.12.1-1-arm64.deb	32.6 MB	last week
 pandoc-3.1.12.1-arm64-macOS.pkg	33.4 MB	last week

Изменение шаблона для лабораторной работы № 2



The image shows a screenshot of a text editor window titled "lab02_report.md". The editor displays a LaTeX Beamer template for a lab report. The code is as follows:

```
1 |---
2 ## Front matter
3 title: "Отчет по лабораторной работе №2"
4 subtitle: "Дисциплина: Операционные системы"
5 author: "Ашуров Захид Фамил оглы"
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:
```

Рис. 1: Изменение шаблона

Переход в каталог report в терминале

```
zfashurov@dk3n61 ~ $ cd work
zfashurov@dk3n61 ~/work $ cd study
zfashurov@dk3n61 ~/work/study $ cd 2023-2024
zfashurov@dk3n61 ~/work/study/2023-2024 $ cd "Операционные системы"
zfashurov@dk3n61 ~/work/study/2023-2024/Операционные системы $ cd os-intro
zfashurov@dk3n61 ~/work/study/2023-2024/Операционные системы/os-intro $ cd labs
zfashurov@dk3n61 ~/work/study/2023-2024/Операционные системы/os-intro/labs $ cd lab03
zfashurov@dk3n61 ~/work/study/2023-2024/Операционные системы/os-intro/labs/lab03 $ cd report
zfashurov@dk3n61 ~/work/study/2023-2024/Операционные системы/os-intro/labs/lab03/report $ ls
bib image lab02_report.md Makefile pandoc
zfashurov@dk3n61 ~/work/study/2023-2024/Операционные системы/os-intro/labs/lab03/report $
```

Рис. 2: Переход в каталог report в терминале

Конвертируем наш файл в формате Markdown в pdf и docx.

```
afashurov@dk3n61 ~ $ cd work
afashurov@dk3n61 ~/work $ cd study
afashurov@dk3n61 ~/work/study $ cd 2023-2024
afashurov@dk3n61 ~/work/study/2023-2024 $ cd "Операционные системы"
afashurov@dk3n61 ~/work/study/2023-2024/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
afashurov@dk3n61 ~/work/study/2023-2024/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.
...
1.117
```

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.