Лабораторная работа 1

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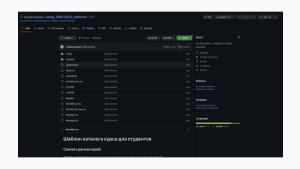
Ознакомиться с git и Markdown. Сформировать рабочее окружение.

Создали структуру каталогов

work mkdir -p study/2022-2023/Математическое\ моделирование → work ls study → work cd study **study** cd 2022-2023 → 2022-2023 ls Математическое моделирование → 2022-2023 cd Математическое\ моделирование Математическое моделирование рwd /Users/stepa-kos/Desktop/work/study/2022-2023/Математическое моделирование Математическое моделирование

Создали репозиторий на github

Microstruveccoe seganopomanum gh repo create study_2022-2023_usthrod --terplate-yaradharma/course-directory-student-template --public Created repository stephasologov/study_2022-2023_mathrod on Github Microstruveccoe sequencepomanum



Склонировали себе репозиторий локально

```
Математическое моделирование git clone --recursive gitfigithub.com:stepgKosolopgy/study.2822-2823.mathmod.git mathmod
 remote: Enumerating objects: 27. done.
 remote: Counting objects: 100% (27/27), done.
 remote: Compressing objects: 188% (26/26), done
Receiving objects: 100% (27/27), 16.94 KiB | 8.47 MiB/s, done.
Resolving deltos: 100% (1/1), done.
Submodule "termilate/proceedation" (https://github.com/ymodhama/academic-presentation-markdown-termilate git) registered for path "termi
 jubmodule 'template/report' (https://github.com/vormatharma/academic-laboratory-report-template.git) registered for gath 'template/report
Clanina into "Alsers/stens-kos/Beskton/work/study/2022-2023/Marewayuue/son waterunawaye/authwod/teen]ate/presentation"
remote: Counting objects: 100% (82/82), done.
remote: Compressing objects: 180% (57/57), done,
Receiving objects: 100% (82/82), 92.90 KiB | 1.04 MiB/s, done.
Resolving deltas: 100% (28/28), done.
 Control into "Aligers/stems-kos/Baskton/work/study/2022-7023/Marewayuus/yos wassaungsaus/mathend/teemlats/renort"
 remote: Enumerating objects: 101, done,
 remote: Counting objects: 100% (101/101), done
 remote: Compressing objects: 188% (78/78), done.
 remote: Total 181 (delta 48), reused RR (delta 27), mark-reused B
Resolving deltos: 100% (40/40), done.
 Submodule path 'template/presentation': checked out 'blbe3800er01f5809264cb755d316174548b753e'
 ubrodule path 'template/report': checked out 'ldlb6ldcoc9c287a83917b82e3aef1la33b1e3b2'
  Математическое моделирование
```

```
- mathem dist.Comster) In
COMMISSION of COMM
```

Создали структуру каталогов через make

```
mathmod git:(master) make list
      arch-рс Архитектура ЭВМ
sciproa-intro Введение в научное программирование
      infosec Информационная безопасность
      mathsec Математические основы зашиты информации и информационной безопасности
      mathmod Математическое молелирование
      sciproa Научное программирование
    os-intro Операционные системы
  mathmod ait:(master) make help
Usage:
  make <taraet>
Taraets:
                                 List of courses
  prepare
                                 Generate directories structure
  mathmod ait:(master) vim Makefile
  mathmod ait:(master) make prepare
  mathmod git:(master) x ls
CHANGEL OG . md
                  LTCENSE
                                     README en md
                                                        README .md
                                                                           1abs
                                                                                                                project-group
                                                                                              prepare
COLIRSE
                  Makefile
                                     README.git-flow.md config
                                                                                                                template
                                                                           package.json
                                                                                              presentation
→ mathmod git:(master) x ls labs
README.md README.ru.md lab1
                                      1ab2
                                                   1ab3
                                                                1ab4
                                                                             1ab5
                                                                                          1ab6
                                                                                                       1ab7
                                                                                                                   1ab8
→ mathmod git:(master) x
```

Установили pandoc и mactex(texlive для OSX)

```
report git:(master) x ls
Makefile bib image
                             pandoc
                                      report.md
→ report git:(master) x brew install pandoc
Running `brew update --auto-update`...
   Auto-updated Homebrew!
Updated 1 tap (homebrew/core).
You have 20 outdated formulae and 2 outdated casks installed
You can upgrade them with brew upgrade
or list them with brew outdated.
Warning: pandoc 3.1 is already installed and up-to-date.
To reinstall 3.1, run:
 brew reinstall pandoc
→ report git:(master) x brew mactex
Error: Unknown command: mactex
→ report git:(master) x brew install mactex
Warning: Cask 'mactex' is already installed.
To re-install mactex, run:
  brew reinstall -- cask mactex
  report git:(master) x
```

Запушили изменения в github



```
→ mathmod git:(master) x git odd ./
 matheod git: (master) x git commit -am 'feat(main'); make course structure'
 master a83582f1 feat(main): make course structure
 217 files changed, 59287 insertions(+), 14 deletions(-)
 create mode 199544 lahs/README md
 create mode 188644 labs/README.ru.md
 create mode 100644 labs/lab1/presentation/Makefile
 create mode 100644 labs/lab1/presentation/image/kulvabov.jpg
 create mode 189644 lahs/lah1/anesentation/aresentation ad
 create mode 100644 labs/lab1/report/Makefile
 create mode 100644 labs/lab1/report/bib/cite.bib
 create mode 100644 labs/lab1/report/image/placeima 800 600 tech.jpg
 create made 100644 labs/lab1/report/mandoc/csl/aost-r-7-0-5-2008-numeric.csl
 create mode 100755 labs/lab1/report/pandoc/filters/pandoc.eanos.pv
 create mode 100755 labs/lab1/report/pandoc/filters/pandoc fignos.pv
 create mode 188755 labs/lab1/report/pandoc/filters/pandoc secons ny
 create mode 100755 labs/lab1/report/pandoc/filters/pandoc tablenos.pv
 create mode 100644 labs/lab1/report/pandoc/filters/pandocxnos/__init__.pv
 create mode 100644 labs/lab1/report/pandoc/filters/pandocxnos/core.py
 create mode 189644 labs/lab1/report/mandoc/filters/mandocxnos/main.mv
 create mode 100644 labs/lab1/report/pandoc/filters/pandocxnos/pandocattributes.py
 create mode 199644 labs/lab1/report/report.md
 create mode 189644 lahs/lah2/aresentation/Makefile
 create made 100644 labs/lab2/gresentation/image/kulyabov.jpg
 create mode 189644 labs/lab2/presentation/presentation.md
 create mode 188644 labs/lab2/report/Makefile
 create made 189644 labs/lab2/report/bib/cite.bib
 create mode 100644 labs/lab2/report/image/placeing_800_600_tech.ipg
 create mode 189644 labs/lab2/report/pandoc/csl/most-r-7-8-5-2008-numeric csl
  reate mode 188755 labs/lab2/report/gandoc/filters/gandoc eagos ny
  regte mode 100755 labs/lab2/report/pandoc/filters/pandoc_fignos.pv
  reate mode 100755 labs/lab2/report/pandoc/filters/pandoc_secnos.py
  reate mode 199755 labs/lab2/report/pandoc/filters/pandoc_tablenos.mv
 create mode 100644 labs/lab2/report/pandoc/filters/pandocxnos/__init__.py
  regte mode 100644 labs/lab2/report/pandoc/filters/pandocxnos/core.pv
  reate mode 199644 labs/lab2/report/pandoc/filters/pandocynas/main.mu
 create made 199644 labs/lab2/report/pandoc/filters/pandocwnos/pandocattributes.pv
 coasta mode 199644 labs/lab3/aparantation/Makafila
 create mode 199644 labs/lab3/aresentation/image/kulyahov ina
 create made 100644 labs/lab3/presentation/presentation.nd
 create mode 189644 labs/lab3/report/Makefile
 reate mode 189644 labs/lab3/report/hib/rite hib
 create mode 100644 labs/lab3/report/image/placeima.800.600.tech.jpg
 create mode 189644 labs/lab3/report/pandoc/csl/aost-r-7-8-5-2008-numeric.csl
 create mode 100755 labs/lab3/report/pandoc/filters/pandoc_eanos.pv
 create mode 199755 labs/lab3/report/pandoc/filters/pandoc fignos ny
 create made 100755 labs/lab3/report/pandoc/filters/pandoc.secnos.pv
 create mode 100755 labs/lab3/report/pandoc/filters/pandoc_tablenos.py
 create mode 189644 labs/lab3/report/mandoc/filters/mandocxnos/_init__pv
 create mode 100644 labs/lab3/report/mandoc/filters/mandocxnos/core.mv
 create mode 199544 Tahs/Tah3/report/pandoc/filters/pandocynos/main.mv
 create mode 199644 labs/leb3/neport/pander/filters/panderynas/pandarattributes nu
 create made 199544 lahs/lah3/report/report ad
 create mode 100644 labs/lab4/presentation/Makefile
 create mode 100644 labs/lab4/presentation/image/kulvabov.ipa
 create mode 199544 labs/lab4/aresentation/aresentation md
  reate mode 189644 labs/lab4/report/Makefile
```



В ходе данной лабораторной работы мы вспомнили как работать c git и markdown, создали рабочее пространство