

**Министерство науки и высшего образования Российской
Федерации**

**Федеральное государственное бюджетное образовательное
учреждение высшего образования**

**« Российский химико-технологический университет имени
Д.И. Менделеева »**

ОТЧЕТ ПО ЛАБОРАТОРНОЙ РАБОТЕ №4

Выполнил студент группы КС-36: Золотухин А.А.

Ссылка на репозиторий: [https://github.com/
CorgiPuppy/
administration-of-information-systems-labs](https://github.com/CorgiPuppy/administration-of-information-systems-labs)

Принял: Митричев Иван Игоревич

Дата сдачи: 12.03.25

Москва

2025

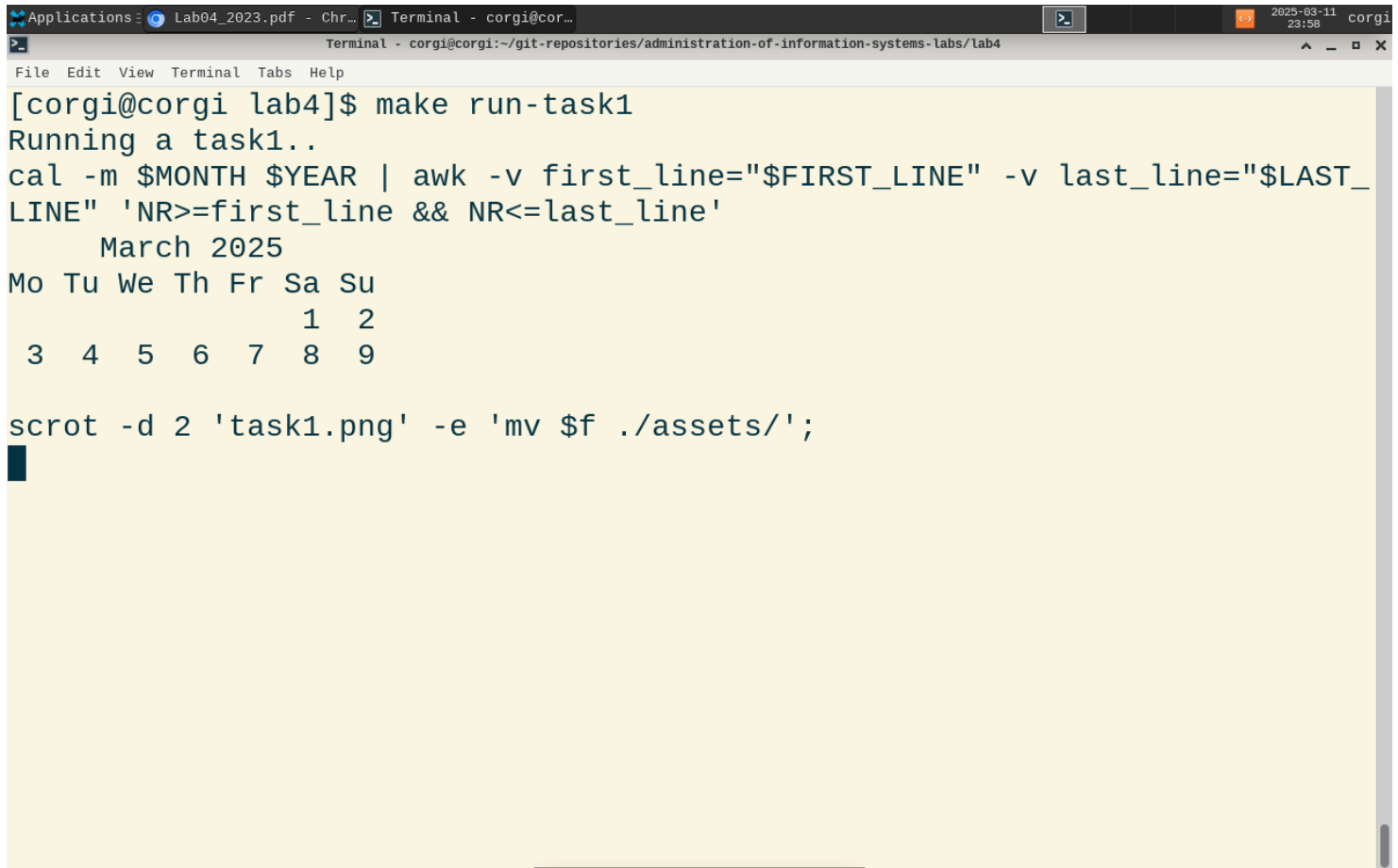
Оглавление

Описание и выполнение задачи	3
Задание 1	3
Задание 2	3

Описание и выполнение задачи

Задание 1

(Рис. 1)



```
[corgi@corgi lab4]$ make run-task1
Running a task1..
cal -m $MONTH $YEAR | awk -v first_line="$FIRST_LINE" -v last_line="$LAST_LINE" 'NR>=first_line && NR<=last_line'
    March 2025
Mo Tu We Th Fr Sa Su
                1  2
    3  4  5  6  7  8  9

scrot -d 2 'task1.png' -e 'mv $f ./assets/';
```

Рис. 1: Задание 1.

Задание 2

(Рис. 2)

```
Applications Lab04_2023.pdf - Chr... Terminal - corgi@cor...
Terminal - corgi@corgi:~/git-repositories/administration-of-information-systems-labs/lab4

File Edit View Terminal Tabs Help

Mar,11,23:56,/home/corgi/.config/chromium/Default/ClientCertificates/LOG.old,
Mar,11,23:58,/home/corgi/.config/chromium/Default/ClientCertificates/LOG,
Mar,12,00:44,/home/corgi/.config/chromium/Default/Cookies,
Mar,12,00:21,/home/corgi/.config/chromium/Default/Shortcuts-journal,
Mar,11,23:56,/home/corgi/.config/chromium/Default/VideoDecodeStats/LOG.old,
Mar,12,00:19,/home/corgi/.config/chromium/Default/VideoDecodeStats/LOG,
Mar,11,23:57,/home/corgi/.config/chromium/Default/GCM\,
Mar,11,23:58,/home/corgi/.config/chromium/Default/GCM\,
Mar,12,00:23,/home/corgi/.config/chromium/Default/History,
Mar,11,23:56,/home/corgi/.config/chromium/Default/Site\,
Mar,12,00:23,/home/corgi/.config/chromium/Default/Site\,
Mar,11,23:58,/home/corgi/.config/chromium/Default/Feature\,
Mar,11,23:57,/home/corgi/.config/chromium/Default/Feature\,
Mar,11,23:58,/home/corgi/.config/chromium/Default/Feature\,
Mar,11,23:56,/home/corgi/.config/chromium/Default/shared_proto_db/metadata/LOG.old,
Mar,11,23:58,/home/corgi/.config/chromium/Default/shared_proto_db/metadata/000003.log,
Mar,11,23:58,/home/corgi/.config/chromium/Default/shared_proto_db/metadata/LOG,
Mar,11,23:56,/home/corgi/.config/chromium/Default/shared_proto_db/LOG.old,
Mar,12,00:26,/home/corgi/.config/chromium/Default/shared_proto_db/000003.log,
Mar,11,23:58,/home/corgi/.config/chromium/Default/shared_proto_db/LOG,
Mar,11,23:58,/home/corgi/.config/chromium/Default/DawnGraphiteCache/index,
Mar,12,00:42,/home/corgi/.config/chromium/Default/DawnGraphiteCache/data_1,
Mar,11,23:58,/home/corgi/.config/chromium/Default/LOG,
Mar,11,23:57,/home/corgi/.config/chromium/Default/BudgetDatabase/LOG.old,
Mar,11,23:58,/home/corgi/.config/chromium/Default/BudgetDatabase/LOG,
Mar,11,23:58,/home/corgi/.config/chromium/Default/SharedStorage-wal,
Mar,11,23:58,/home/corgi/.config/chromium/GrShaderCache/index,
Mar,12,00:42,/home/corgi/.config/chromium/GrShaderCache/data_1,
Mar,12,00:21,/home/corgi/.config/chromium/Local\,
Mar,11,23:58,/home/corgi/.config/chromium/ShaderCache/index,
Mar,12,00:42,/home/corgi/.config/chromium/ShaderCache/data_1,
Mar,11,23:58,/home/corgi/.config/xfce4/help.rc,
Mar,11,23:58,/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/assets/task1.png,
Mar,12,00:37,/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/assets/task2.png,
Mar,12,00:45,/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/temp.data
Mar,12,00:45,/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/src/task2/main.sh,
Mar,12,00:14,/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/src/task1/main.sh,

scrot -c -d 9 'task2.png' -e 'mv $f ./assets/';
Taking shot in 9.. 8.. 7.. 6.. 5.. 4.. 3.. 2.. 1..
```

Рис. 2: Задание 2.

Mar	12	01:05	/home/corgi/.viminfo
Mar	12	01:05	/home/corgi/.vim/.netrw/whist
Mar	12	00:58	/home/corgi/.motd_shown
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/README.md
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/report/ report.tex
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/report/ report.pdf
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task8.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task15.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/task10/ task10_6.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/task10/ task10_2.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/task10/ task10_5.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/task10/ task10_8.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/task10/ task10_10.png

Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/task10/ task10_1.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/task10/ task10_7.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/task10/ task10_3.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/task10/ task10_9.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/task10/ task10_4.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task20.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task3.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task12.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/task11/ task11_2.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/task11/ task11_1.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task1.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task5.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task21.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task2.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task14.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task19.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task18.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task7.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task9.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task13.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task6.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task17.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/ task4.png

Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/assets/task16.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/Makefile
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task16/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task19/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task4/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task21/target/PAPKA3/file2
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task21/target/PAPKA3/file0
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task21/target/PAPKA3/file1
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task21/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task7/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task3/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task2/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task11/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task20/target/file2
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task20/target/tarball
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task20/target/file0
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task20/target/file1
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task20/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task1/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task17/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task9/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task13/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task5/main.sh

Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task14/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task18/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task6/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task15/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task12/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab3/src/task8/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/packed-refs
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/description
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/index
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/HEAD
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/objects/pack/pack-f7de4006a726eadbd72eb7e52f0dc8a08f349170.rev
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/objects/pack/pack-f7de4006a726eadbd72eb7e52f0dc8a08f349170.pack
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/objects/pack/pack-f7de4006a726eadbd72eb7e52f0dc8a08f349170.idx
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/info/exclude
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/hooks/pre-merge-commit.sample
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/hooks/pre-receive.sample
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/hooks/prepare-commit-msg.sample
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/hooks/fsmonitor-watchman.sample
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/hooks/update.sample
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/hooks/pre-applypatch.sample
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/hooks/pre-rebase.sample
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/hooks/applypatch-msg.sample
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/hooks/post-update.sample
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/hooks/sendemail-validate.sample
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/hooks/pre-commit.sample

Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/hooks/push-to-checkout.sample
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/hooks/commit-msg.sample
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/hooks/pre-push.sample
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/refs/remotes/origin/HEAD
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/refs/heads/master
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/logs/HEAD
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/logs/refs/remotes/origin/HEAD
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/logs/refs/heads/master
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/.git/config
Mar	12	01:02	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/report/report.typ
Mar	12	01:02	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/report/report.pdf
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/.gitignore
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/assets/task1.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/assets/task2.png
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/Makefile
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/Dockerfile
Mar	12	01:05	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/src/task2/main.sh
Mar	12	01:00	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/src/task1/main.sh
Mar	12	01:05	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/task2.csv
Mar	12	01:02	/home/corgi/.local/share/zathura/history