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ОТЧЕТ ПО ЛАБОРАТОРНОЙ РАБОТЕ №4

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

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Москва

2025

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Описание и выполнение задачи

Задание 1

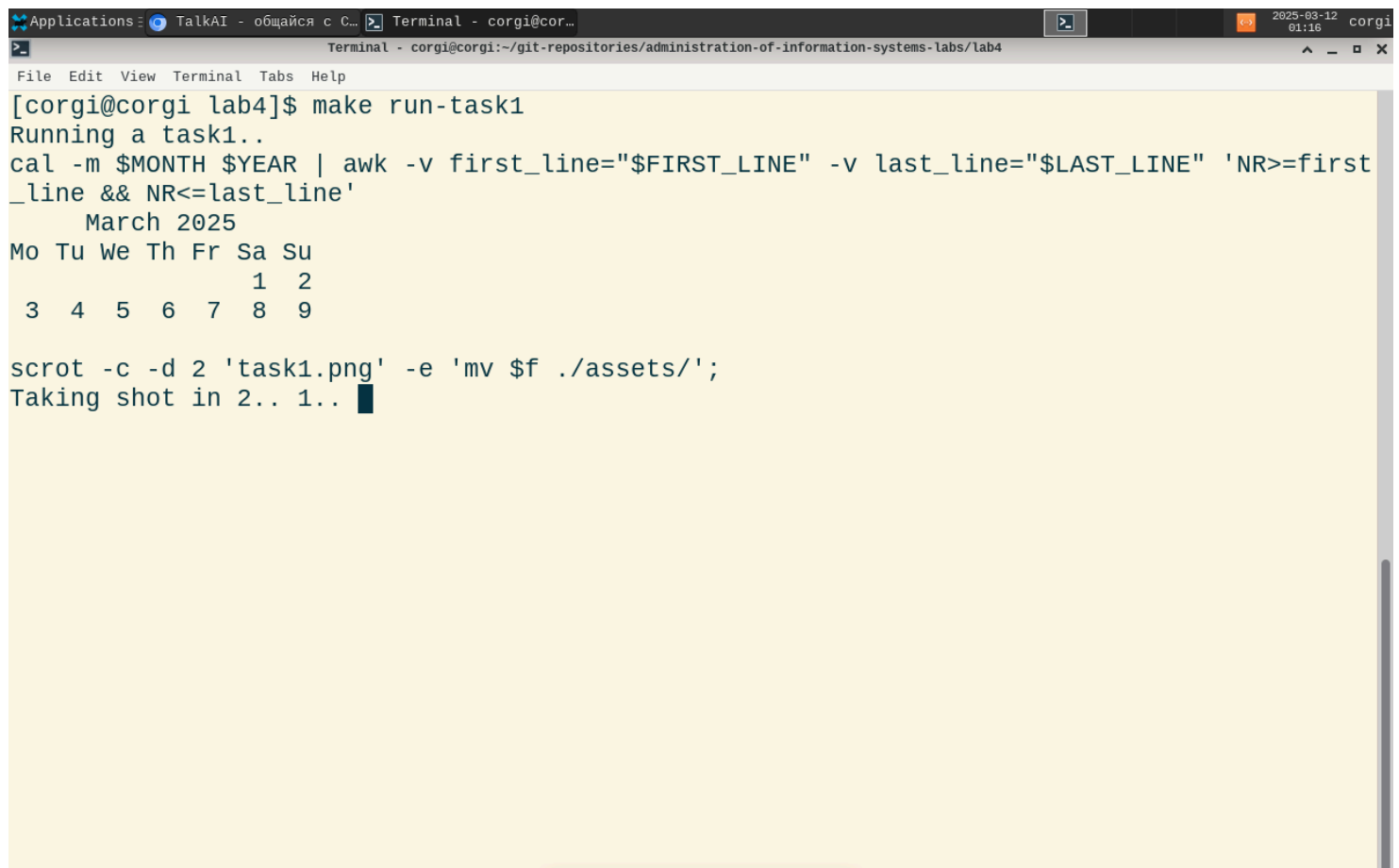
Вывести календарь на первую неделю марта. Используйте *cal* (Рис. 1).

```
#!/bin/bash

declare -i YEAR=2025
declare -i MONTH=3
declare -i FIRST_LINE=1
declare -i LAST_LINE=4

set -v
cal -m $MONTH $YEAR | awk -v first_line="$FIRST_LINE" -v last_line="$LAST_LINE"
'NR>=first_line && NR<=last_line'

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

A screenshot of a terminal window titled "Terminal - corgi@cor...". The terminal shows the execution of a script. The first command is "make run-task1", which outputs "Running a task1..". Then, the command "cal -m \$MONTH \$YEAR | awk -v first_line=\"\$FIRST_LINE\" -v last_line=\"\$LAST_LINE\" 'NR>=first_line && NR<=last_line'" is executed, resulting in the output "March 2025" followed by a calendar grid for March 2025. The grid shows days of the week (Mo, Tu, We, Th, Fr, Sa, Su) and dates (1-9). Finally, the command "scrot -c -d 2 'task1.png' -e 'mv \$f ./assets/';" is executed, and the terminal shows "Taking shot in 2.. 1..".

```
Applications: TalkAI - общайся с C... Terminal - corgi@cor...
Terminal - corgi@corgi:~/git-repositories/administration-of-information-systems-labs/lab4
File Edit View Terminal Tabs Help
[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 -c -d 2 'task1.png' -e 'mv $f ./assets/';
Taking shot in 2.. 1..
```

Рис. 1: Задание 1.

Задание 2

Найти файлы в домашней папке, изменённые за последний час (Рис. 2).

```
#!/bin bash

declare OUTPUT_DIR_NAME=outputs/task2
declare OUTPUT_FILE_NAME=output.csv
```

```
declare OUTPUT_FILE=$OUTPUT_DIR_NAME/$OUTPUT_FILE_NAME

set -v
find $HOME -type f -mmin -60 -ls | awk '{printf "%s,%s,%s,%s\n", $8, $9, $10, $11}' >
$OUTPUT_FILE

scrot -c -d 2 'task2.png' -e 'mv $f ./assets/';
```

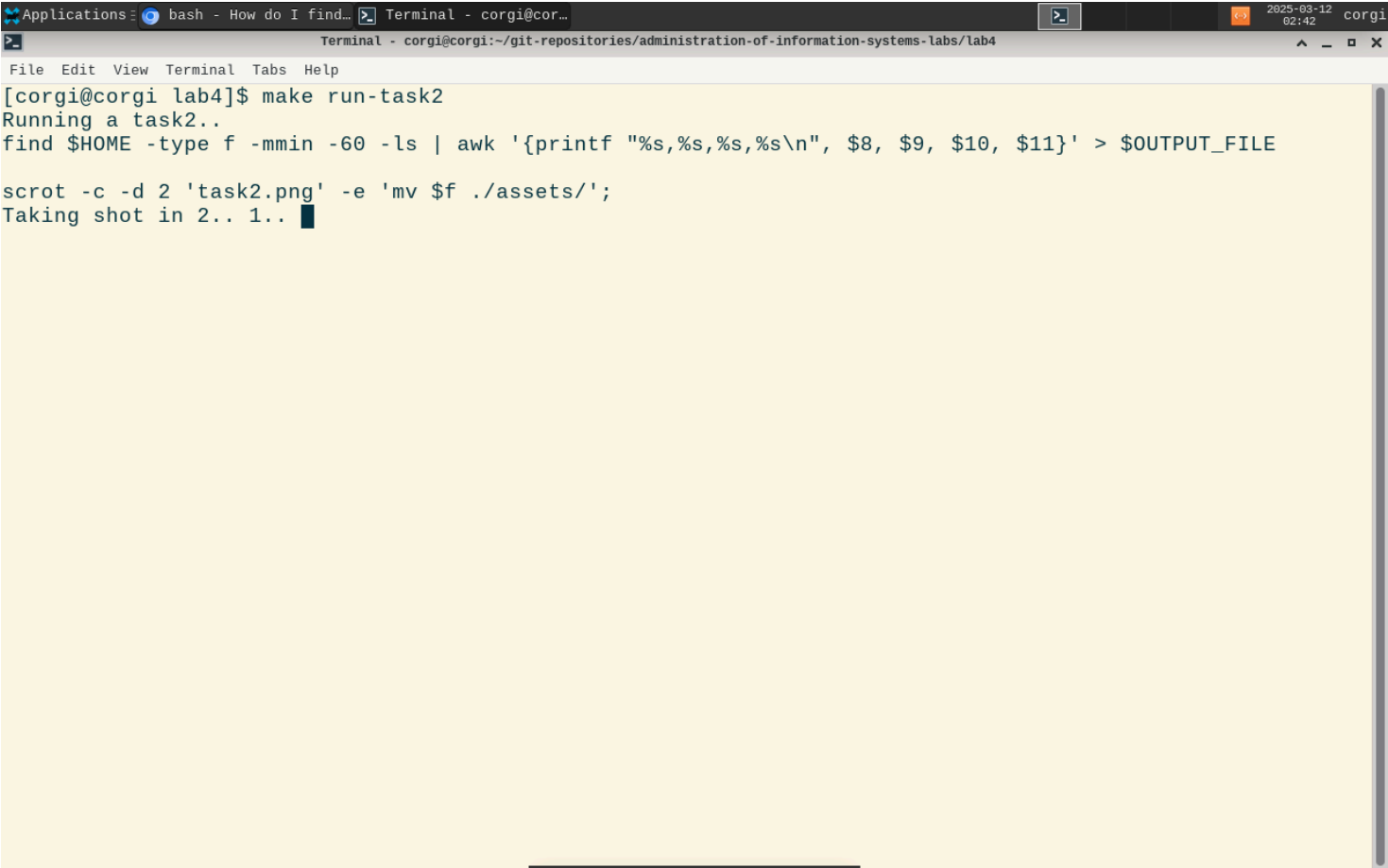


Рис. 2: Задание 2.

Mar	12	02:31	/home/corgi/.vim/.netrw/whist
Mar	12	03:08	/home/corgi/.xsession-errors
Mar	12	03:01	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\

[illegible]

Mar	12	03:00	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:24	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:48	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/29ab45573cdcb004_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/916b328bcd1f7a6_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/ee53f98e99e68d41_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/1fa3ad593f6eeacc_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/81671c72fca97db4_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/c8d7616221bd391a_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/4fa5a6c332aa7816_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/ce2dd57ac217ddc4_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/4e7d89ccb928a2d8_0
Mar	12	03:06	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/index-dir/the-real-index
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/b1669acce8df8c81_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/6472655b95347b5d_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/6dedbb487b140d7b_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/911df975a1d18059_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/93d81321f8c35eab_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/87f2a7892dcbbfe5_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/612016acbe5d54bb_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a7f3aa54f6884a69_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/b9794ef6dfc232fd_0
Mar	12	02:30	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/3337ce33a4a8c60f_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/471d052dcc7f75a1_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/6872f0d20534b606_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/6b5f4daa82782df8_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/c8c99db24b99a80c_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/667ad6a305910ccd_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/f53cbf17c1832e10_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/92cb7dbad2a4b9c3_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/21b93cdb3e5edf21_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/58d82b284d174b5b_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/36ffef5ba52f0cb8_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/ebe39ae0d9789c96_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/4564f75c4647b068_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/2d1b489f80325186_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/5c45a748912b99cf_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/94b530554ccb0884_0

Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/d3c191ef8438c8f9_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a6fb6d589485fd38_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/e49b9e3ffd3bf2bc_0
Mar	12	02:31	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/690ea4eba82f6b16_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a073f06e529a1d2e_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/5f9cb2b2c2db1131_0
Mar	12	03:03	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/6ddcf9fab3720722_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/d2903ea367abd3ae_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/679ed006abbb1192_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a5a517e04e558af0_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/6804dded029ad032_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/23d27df44ba4d2ed_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/fc5f76e3614d5dc0_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/5852f7c22902d690_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/fb760be848070bbb_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/7b131f63d887afd5_0
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Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/ea8e4c1a8bb7db66_0
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Mar	12	03:03	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a0a0207bb63741da_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/bddf87b029f5bac5_0
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Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a539415201db28c4_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/9bf634f44d140c1a_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/eddcac6454cd9272_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/17e60ab3186bd7a0_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/97f93f8e62292ce1_0
Mar	12	03:03	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/e00ba5a4d0bb9b64_0
Mar	12	02:24	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/fc335388c069b5b6_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/0ea692ae03c5c91a_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/461e67bf68004c10_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/d187440b04d850dc_0
Mar	12	02:37	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/6e334665f936e5fb_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/1b06c447485b1d3d_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a39fd0d9cbd5fb12_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/ff6404f136602986_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/3d2295db4f2594ab_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/0c66b3c5ced459dd_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/8cc06c1e6f9176e1_0
Mar	12	02:24	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/e6f8f682e3dfce67_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/c868d378ae7ba597_0

Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/1cde315ed0c0e72a_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/4699bc9d88fc5733_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/d5a4a9f7bd6b109d_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/84f913e8a0d73a5c_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/c55bf789c224e684_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/ffbe49a4cff494e6_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/0b8790bfdda8e967_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/32ce8cd7bb1dcf8a_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/fd3c5240bf6369a5_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/4f1853cdaed3d620_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/e536ff6f9b38ef84_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/ec29a75a1f46342a_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/29d9b2b8be049406_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/8d5f3cf6be1b8eb4_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/742a308fcb99e8f4_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/0450bdbf32e36667_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/94d8ae340f4edf8b_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/7b86d5ad40d7d532_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/5b6ad234caa35bec_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/2aabfa1adc414521_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/6c5178a40703f7dc_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/0b62f3705ca7065e_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/81b8eb68e6cff4cd_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/e85ac8952d7783d7_0
Mar	12	02:25	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/30282d9a0fcb2291_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/bf28526e84a61df9_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/8eda2dffbf4f5e014_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a9c840e4ea1b4bd8_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/cf65c5c103a12e8c_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/965b7f8a5c06bd4f_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/f1076f09e2042e15_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a068b7980367616e_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/34041029ce18de15_0
Mar	12	02:43	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/4fe391139777a517_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a807c6e52353bca1_0
Mar	12	02:55	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/35d784417b9a63f6_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/178f24351ff19404_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/918318f4920eb852_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/ce6ed7ee833cf9d1_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/c5a20defb7fbc593_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/c90a700ba1a45d5d_0

[illegible]

Mar	12	03:00	/home/corgi/.config/chromium/GraphiteDawnCache/index
Mar	12	03:07	/home/corgi/.config/chromium/GraphiteDawnCache/data_1
Mar	12	03:07	/home/corgi/.config/chromium/Crash\
Mar	12	03:02	/home/corgi/.config/chromium/segmentation_platform/ukm_db-wal
Mar	12	03:00	/home/corgi/.config/chromium/first_party_sets.db
Mar	12	03:01	/home/corgi/.config/chromium/CertificateRevocation/9608/manifest.fingerprint
Mar	12	03:01	/home/corgi/.config/chromium/CertificateRevocation/9608/manifest.json
Mar	12	03:01	/home/corgi/.config/chromium/CertificateRevocation/9608/LICENSE
Mar	12	03:01	/home/corgi/.config/chromium/CertificateRevocation/9608/_metadata/ verified_contents.json
Mar	12	03:01	/home/corgi/.config/chromium/CertificateRevocation/9608/crl-set
Mar	12	03:01	/home/corgi/.config/chromium/component_crx_cache/ jfloognkckckhobaglnidicnbbgbonegd_1.63868a769fa0a0d9b29403d397874e07c21258dc176528
Mar	12	03:01	/home/corgi/.config/chromium/component_crx_cache/ hfnkpimlhghieaddgfemjhofmfbmnib_1.f281499b97567554bfb5d8c6956d475cbb47260d8087c
Mar	12	03:00	/home/corgi/.config/chromium/Last\
Mar	12	03:00	/home/corgi/.config/chromium/Variations
Mar	12	03:01	/home/corgi/.config/chromium/SafetyTips/3065/manifest.fingerprint
Mar	12	03:01	/home/corgi/.config/chromium/SafetyTips/3065/safety_tips.pb
Mar	12	03:01	/home/corgi/.config/chromium/SafetyTips/3065/manifest.json
Mar	12	03:01	/home/corgi/.config/chromium/SafetyTips/3065/_metadata/verified_contents.json
Mar	12	03:00	/home/corgi/.config/chromium/first_party_sets.db-journal
Mar	12	03:07	/home/corgi/.config/chromium/DeferredBrowserMetrics/ BrowserMetrics-67D0D05B-5154.pma
Mar	12	03:00	/home/corgi/.config/chromium/WidevineCdm/latest-component-updated-widevine-cdm
Mar	12	03:00	/home/corgi/.config/chromium/Default/Web\
Mar	12	02:24	/home/corgi/.config/chromium/Default/Favicons-journal
Mar	12	03:00	/home/corgi/.config/chromium/Default/Session\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Session\
Mar	12	03:00	/home/corgi/.config/chromium/Default/AutofillStrikeDatabase/LOG
Mar	12	03:08	/home/corgi/.config/chromium/Default/History-journal
Mar	12	03:00	/home/corgi/.config/chromium/Default/SCT\
Mar	12	03:04	/home/corgi/.config/chromium/Default/passkey_enclave_state
Mar	12	03:00	/home/corgi/.config/chromium/Default/Download\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Service\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Service\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Web\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Visited\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Shortcuts
Mar	12	03:00	/home/corgi/.config/chromium/Default/commerce_subscription_db/LOG
Mar	12	03:00	/home/corgi/.config/chromium/Default/BrowsingTopicsState

Mar	12	03:00	/home/corgi/.config/chromium/Default/optimization_guide_hint_cache_store/LOG
Mar	12	03:03	/home/corgi/.config/chromium/Default/Reporting\
Mar	12	03:01	/home/corgi/.config/chromium/Default/Network\
Mar	12	03:08	/home/corgi/.config/chromium/Default/Cookies-journal
Mar	12	03:00	/home/corgi/.config/chromium/Default/TransportSecurity
Mar	12	03:00	/home/corgi/.config/chromium/Default/PersistentOriginTrials/LOG
Mar	12	03:00	/home/corgi/.config/chromium/Default/GPUCache/data_0
Mar	12	03:00	/home/corgi/.config/chromium/Default/GPUCache/index
Mar	12	03:07	/home/corgi/.config/chromium/Default/GPUCache/data_1
Mar	12	03:02	/home/corgi/.config/chromium/Default/DIPS-shm
Mar	12	02:24	/home/corgi/.config/chromium/Default/Local\
Mar	12	02:24	/home/corgi/.config/chromium/Default/Local\
Mar	12	03:01	/home/corgi/.config/chromium/Default/Local\
Mar	12	03:08	/home/corgi/.config/chromium/Default/Local\
Mar	12	03:01	/home/corgi/.config/chromium/Default/Local\
Mar	12	03:01	/home/corgi/.config/chromium/Default/Local\
Mar	12	03:08	/home/corgi/.config/chromium/Default/Sessions/Session_13386211240577860
Mar	12	03:00	/home/corgi/.config/chromium/Default/Sessions/Tabs_13386200304061375
Mar	12	03:00	/home/corgi/.config/chromium/Default/Sessions/Session_13386208985694219
Mar	12	03:00	/home/corgi/.config/chromium/Default/Sessions/Tabs_13386211241740089
Mar	12	03:00	/home/corgi/.config/chromium/Default/discounts_db/LOG
Mar	12	03:07	/home/corgi/.config/chromium/Default/Network\
Mar	12	03:01	/home/corgi/.config/chromium/Default/Network\
Mar	12	03:03	/home/corgi/.config/chromium/Default/Reporting\
Mar	12	02:23	/home/corgi/.config/chromium/Default/WebStorage/4/CacheStorage/index.txt
Mar	12	02:23	/home/corgi/.config/chromium/Default/WebStorage/4/IndexedDB/ indexeddb.leveldb/LOG
Mar	12	02:33	/home/corgi/.config/chromium/Default/WebStorage/4/IndexedDB/ indexeddb.leveldb/000004.log
Mar	12	03:01	/home/corgi/.config/chromium/Default/WebStorage/QuotaManager
Mar	12	03:01	/home/corgi/.config/chromium/Default/WebStorage/QuotaManager-journal
Mar	12	03:00	/home/corgi/.config/chromium/Default/File\
Mar	12	03:03	/home/corgi/.config/chromium/Default/DIPS-wal
Mar	12	02:24	/home/corgi/.config/chromium/Default/Favicons
Mar	12	02:23	/home/corgi/.config/chromium/Default/Shared\
Mar	12	02:23	/home/corgi/.config/chromium/Default/Shared\
Mar	12	03:00	/home/corgi/.config/chromium/Default/DawnWebGPUCache/index
Mar	12	03:07	/home/corgi/.config/chromium/Default/DawnWebGPUCache/data_1
Mar	12	03:08	/home/corgi/.config/chromium/Default/Preferences
Mar	12	03:00	/home/corgi/.config/chromium/Default/parcel_tracking_db/LOG

Mar	12	03:00	/home/corgi/.config/chromium/Default/Sync\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Extension\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Segmentation\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Segmentation\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Segmentation\
Mar	12	03:00	/home/corgi/.config/chromium/Default/DIPS
Mar	12	03:00	/home/corgi/.config/chromium/Default/chrome_cart_db/LOG
Mar	12	03:00	/home/corgi/.config/chromium/Default/trusted_vault.pb
Mar	12	03:00	/home/corgi/.config/chromium/Default/ClientCertificates/LOG
Mar	12	03:08	/home/corgi/.config/chromium/Default/Cookies
Mar	12	03:00	/home/corgi/.config/chromium/Default/Shortcuts-journal
Mar	12	03:00	/home/corgi/.config/chromium/Default/GCM\
Mar	12	03:08	/home/corgi/.config/chromium/Default/History
Mar	12	03:00	/home/corgi/.config/chromium/Default/Site\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Site\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Feature\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Feature\
Mar	12	03:00	/home/corgi/.config/chromium/Default/shared_proto_db/metadata/000003.log
Mar	12	03:00	/home/corgi/.config/chromium/Default/shared_proto_db/metadata/LOG
Mar	12	03:08	/home/corgi/.config/chromium/Default/shared_proto_db/000003.log
Mar	12	03:00	/home/corgi/.config/chromium/Default/shared_proto_db/LOG
Mar	12	03:00	/home/corgi/.config/chromium/Default/DawnGraphiteCache/index
Mar	12	03:07	/home/corgi/.config/chromium/Default/DawnGraphiteCache/data_1
Mar	12	03:00	/home/corgi/.config/chromium/Default/LOG
Mar	12	03:00	/home/corgi/.config/chromium/Default/BudgetDatabase/LOG
Mar	12	03:00	/home/corgi/.config/chromium/Default/SharedStorage-wal
Mar	12	03:00	/home/corgi/.config/chromium/GrShaderCache/index
Mar	12	03:07	/home/corgi/.config/chromium/GrShaderCache/data_1
Mar	12	03:08	/home/corgi/.config/chromium/Local\
Mar	12	03:00	/home/corgi/.config/chromium/ShaderCache/index
Mar	12	03:07	/home/corgi/.config/chromium/ShaderCache/data_1
Mar	12	02:59	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/plots/ pictures/task3.png
Mar	12	02:59	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/plots/ gnuplot-files/task3.p
Mar	12	02:42	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/ assets/task2.png
Mar	12	03:08	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/ assets/task3.png
Mar	12	03:08	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/ outputs/task3/source_end.dat

Mar	12	03:08	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/outputs/task3/source_whole.dat
Mar	12	02:42	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/outputs/task3/source_begin.data
Mar	12	02:42	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/outputs/task3/source_whole.data
Mar	12	02:42	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/outputs/task3/source_end.data
Mar	12	03:08	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/outputs/task3/source_begin.dat
Mar	12	03:08	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/outputs/task2/output.csv
Mar	12	02:42	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/report/report.typ
Mar	12	02:51	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/Makefile
Mar	12	03:07	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/src/task3/main.sh
Mar	12	03:08	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/src/task2/main.sh

Задание 3

Найти слово *source* внутри всех файлов в папке */usr/src/* (Рис. 3, Рис. 4).

```
#!/bin/bash
```

```
declare TARGET_DIR=/usr/src/
declare OUTPUT_DIR_NAME=outputs/task3
declare OUTPUT_FILE_NAME_1=source_begin.dat
declare OUTPUT_FILE_NAME_2=source_whole.dat
declare OUTPUT_FILE_NAME_3=source_end.dat
declare OUTPUT_FILE_1=$OUTPUT_DIR_NAME/$OUTPUT_FILE_NAME_1
declare OUTPUT_FILE_2=$OUTPUT_DIR_NAME/$OUTPUT_FILE_NAME_2
declare OUTPUT_FILE_3=$OUTPUT_DIR_NAME/$OUTPUT_FILE_NAME_3
declare TEMP_FILE=file.txt
```

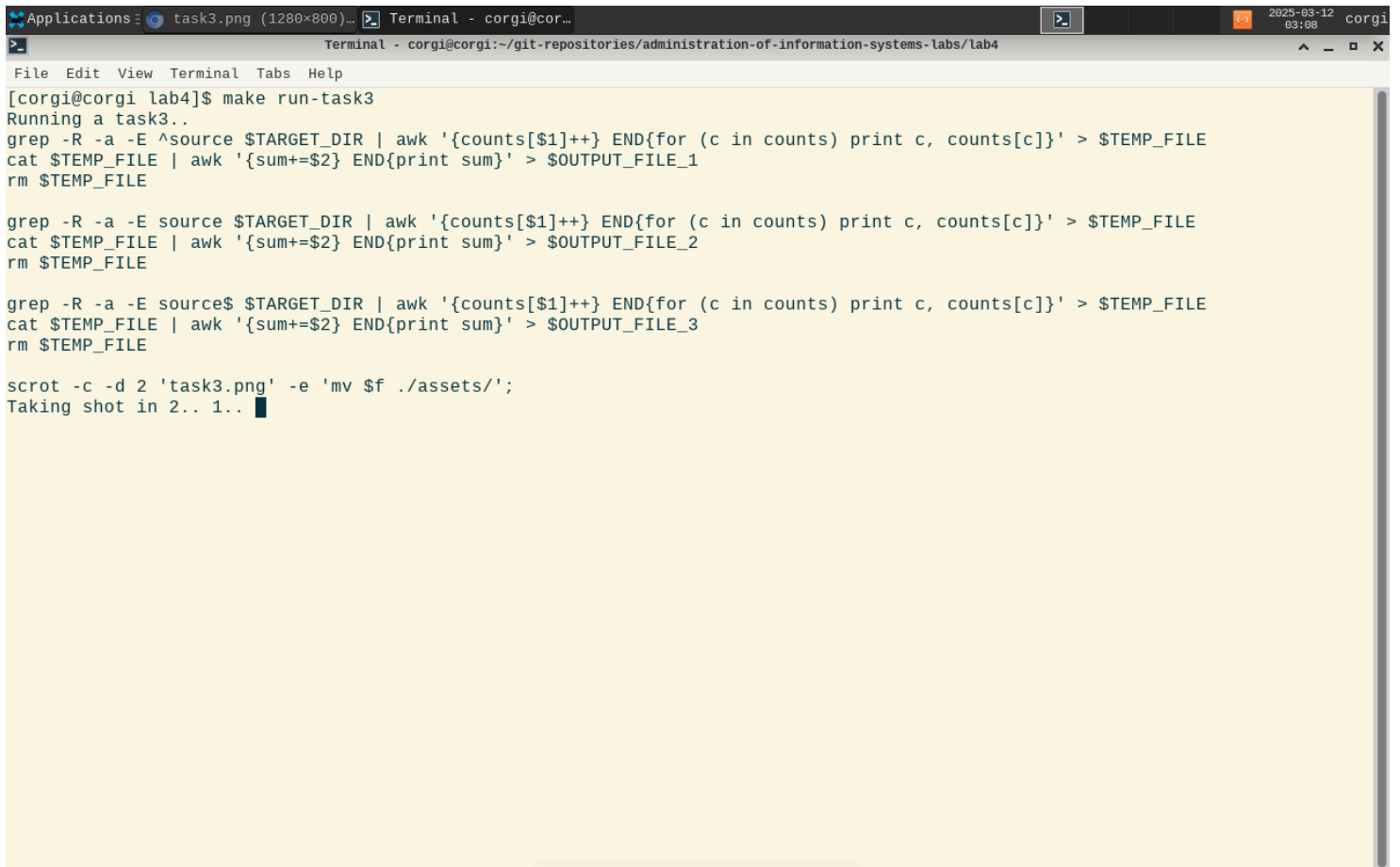
```
set -v
grep -R -a -E ^source $TARGET_DIR | awk '{counts[$1]++} END{for (c in counts) print c, counts[c]}' > $TEMP_FILE
cat $TEMP_FILE | awk '{sum+=$2} END{print sum}' > $OUTPUT_FILE_1
rm $TEMP_FILE
```

```
grep -R -a -E source $TARGET_DIR | awk '{counts[$1]++} END{for (c in counts) print c, counts[c]}' > $TEMP_FILE
cat $TEMP_FILE | awk '{sum+=$2} END{print sum}' > $OUTPUT_FILE_2
rm $TEMP_FILE
```

```
grep -R -a -E source$ $TARGET_DIR | awk '{counts[$1]++} END{for (c in counts) print c, counts[c]}' > $TEMP_FILE
```

```
cat $TEMP_FILE | awk '{sum+=$2} END{print sum}' > $OUTPUT_FILE_3
rm $TEMP_FILE

scrot -c -d 2 'task3.png' -e 'mv $f ./assets/';
```



```
Applications task3.png (1280x800) Terminal - corgi@cor...
Terminal - corgi@corgi:~/git-repositories/administration-of-information-systems-labs/lab4
File Edit View Terminal Tabs Help
[corgi@corgi lab4]$ make run-task3
Running a task3..
grep -R -a -E ^source $TARGET_DIR | awk '{counts[$1]++} END{for (c in counts) print c, counts[c]}' > $TEMP_FILE
cat $TEMP_FILE | awk '{sum+=$2} END{print sum}' > $OUTPUT_FILE_1
rm $TEMP_FILE

grep -R -a -E source$ $TARGET_DIR | awk '{counts[$1]++} END{for (c in counts) print c, counts[c]}' > $TEMP_FILE
cat $TEMP_FILE | awk '{sum+=$2} END{print sum}' > $OUTPUT_FILE_2
rm $TEMP_FILE

grep -R -a -E source$ $TARGET_DIR | awk '{counts[$1]++} END{for (c in counts) print c, counts[c]}' > $TEMP_FILE
cat $TEMP_FILE | awk '{sum+=$2} END{print sum}' > $OUTPUT_FILE_3
rm $TEMP_FILE

scrot -c -d 2 'task3.png' -e 'mv $f ./assets/';
Taking shot in 2.. 1..
```

Рис. 3: Задание 3.

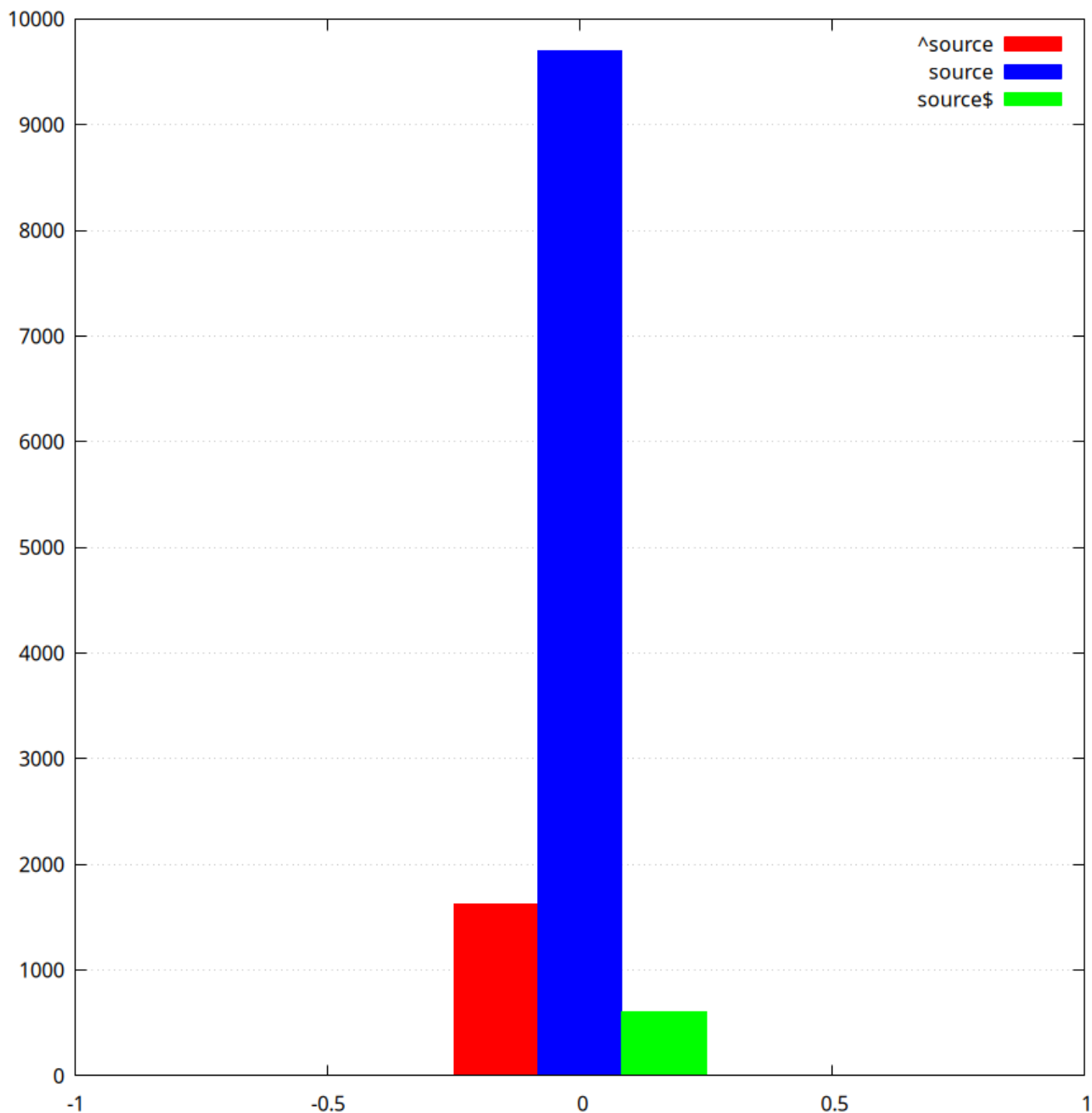


Рис. 4: Задание 3.

Задание 4

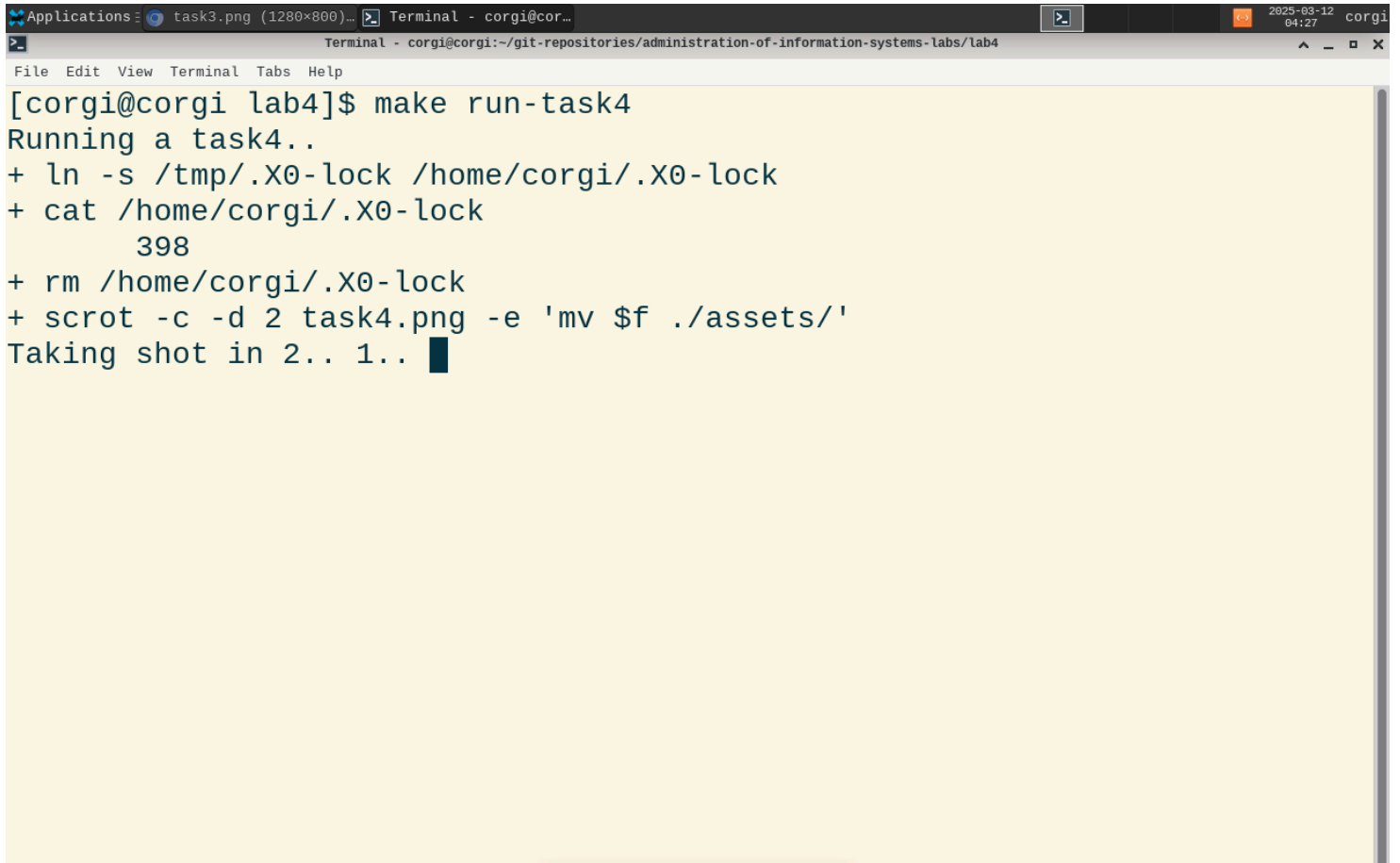
Сделать мягкую ссылку на файл `/tmp/.X0-lock` в домашней папке. Прочитайте содержимое файла через ссылку. Удалите мягкую ссылку (Рис. 5).

```
#!/bin/bash
```

```
declare FOLDER_NAME=/tmp
declare FILE_NAME=.X0-lock
declare FILE=$FOLDER_NAME/$FILE_NAME
declare TARGET_FOLDER_NAME=$HOME
declare TARGET_FILE=$TARGET_FOLDER_NAME/$FILE_NAME
```

```
set -x
ln -s $FILE $TARGET_FILE
cat $TARGET_FILE
rm $TARGET_FILE

scrot -c -d 2 'task4.png' -e 'mv $f ./assets/';
```



```
Applications: task3.png (1280x800)... Terminal - corgi@cor...
Terminal - corgi@corgi:~/git-repositories/administration-of-information-systems-labs/lab4
File Edit View Terminal Tabs Help
[corgi@corgi lab4]$ make run-task4
Running a task4..
+ ln -s /tmp/.X0-lock /home/corgi/.X0-lock
+ cat /home/corgi/.X0-lock
    398
+ rm /home/corgi/.X0-lock
+ scrot -c -d 2 task4.png -e 'mv $f ./assets/'
Taking shot in 2.. 1.. █
```

Рис. 5: Задание 4.

Задание 5

Одной командой найти все файлы в `/usr/lib` с именем из 12 букв, и вывести их содержимое в единый файл `~/superdebug` (Рис. 6).

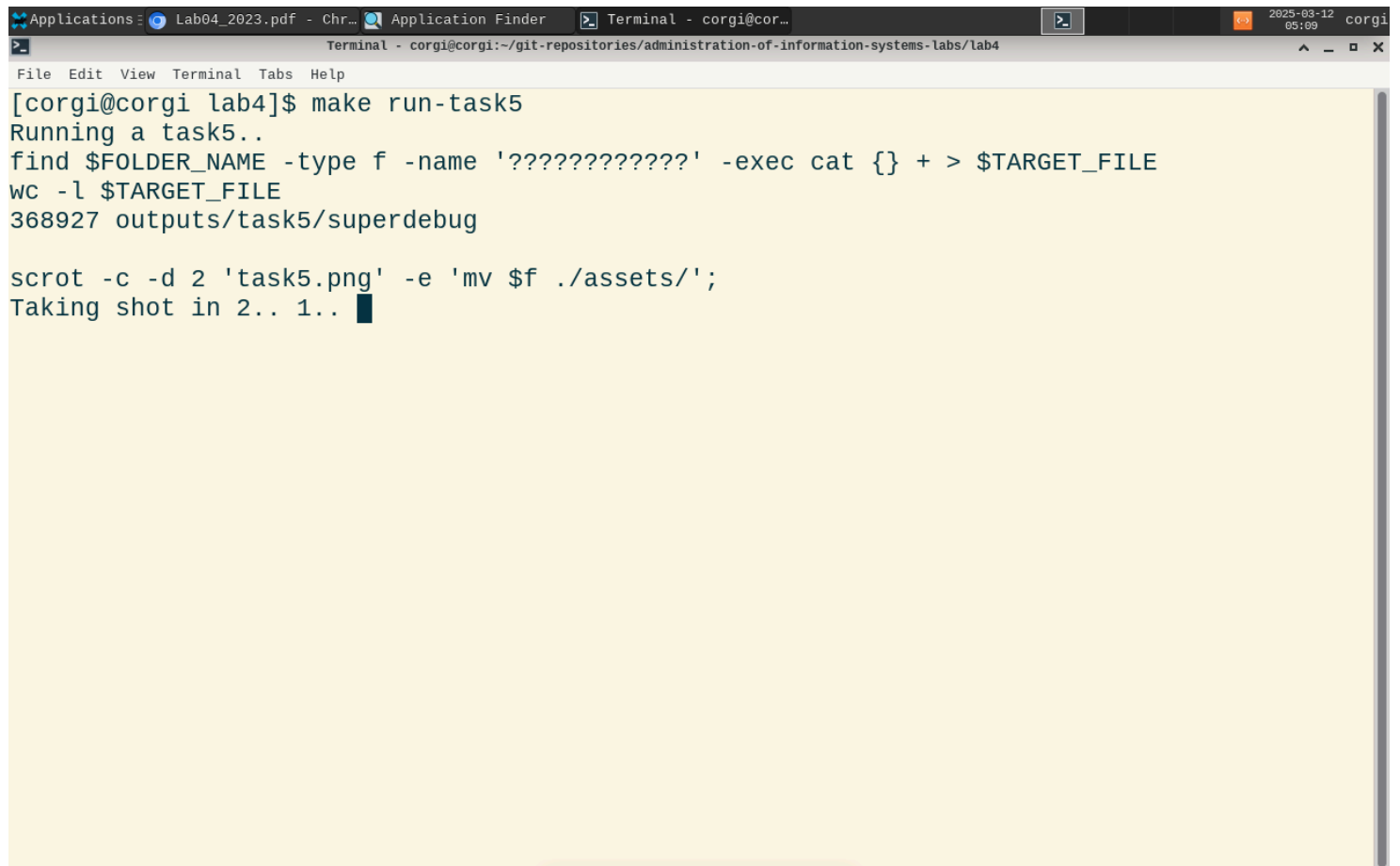
```
#!/bin/bash

declare FOLDER_NAME=/usr/lib
declare TARGET_FOLDER_NAME=outputs/task5
declare TARGET_FILE_NAME=superdebug
declare TARGET_FILE=$TARGET_FOLDER_NAME/$TARGET_FILE_NAME

set -v
find $FOLDER_NAME -type f -name '????????????' -exec cat {} + > $TARGET_FILE
wc -l $TARGET_FILE

scrot -c -d 2 'task5.png' -e 'mv $f ./assets/';
```

(Рис. 6)

A terminal window titled 'Terminal - corgi@cor...' is shown. The window has a menu bar with 'File', 'Edit', 'View', 'Terminal', 'Tabs', and 'Help'. The terminal content shows the following commands and output:

```
[corgi@corgi lab4]$ make run-task5
Running a task5..
find $FOLDER_NAME -type f -name '?????????????' -exec cat {} + > $TARGET_FILE
wc -l $TARGET_FILE
368927 outputs/task5/superdebug

scrot -c -d 2 'task5.png' -e 'mv $f ./assets/';
Taking shot in 2.. 1..
```

Рис. 6: Задание 5.