

**МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ
РОССИЙСКОЙ ФЕДЕРАЦИИ**

**Федеральное государственное автономное
образовательное учреждение высшего образования
«СЕВЕРО-КАВКАЗСКИЙ ФЕДЕРАЛЬНЫЙ УНИВЕРСИТЕТ»**

Кафедра Программная инженерия

**Отчет по лабораторной работе № 2
по дисциплине «Основы Программной инженерии»**

Выполнил студент группы ПИЖ-Б-О-21-

1

Шарипков Иван. « 9 » сентября 2022г.

Подпись студента _____

Работа защищена «

» _____ 20 __ г.

Ставрополь 2022

```
Command Prompt - git log

commit 6600b0bffc97e961c5e5c596712664fb9cdf1d79 (HEAD -> main, origin/main, origin/HEAD)
Merge: deb71ba af36d6a
Author: krutozavr1 <ivannsharipkov@gmail.com>
Date: Sat Sep 10 11:59:50 2022 +0300

    Merge branch 'main' of https://github.com/krutozavr1/University

commit deb71badb9779ef284dea7e6e0468e54b55ed2b2
Author: krutozavr1 <ivannsharipkov@gmail.com>
Date: Fri Sep 9 21:49:05 2022 +0300

    final report

commit af36d6a05851437c027b9b5ccce8ff6397257d97
Author: krutozavr1 <ivannsharipkov@gmail.com>
Date: Fri Sep 9 21:49:05 2022 +0300

    final report

commit 3c4f41555475900572e0bdba59c0934632961ab6
Author: krutozavr1 <ivannsharipkov@gmail.com>
Date: Fri Sep 9 21:44:44 2022 +0300

    final changes

commit 1618ab8ccb9a0fd5d0b4c0ab1d71af10a19f2b6a
Author: krutozavr1 <ivannsharipkov@gmail.com>
Date: Fri Sep 9 21:38:28 2022 +0300

    .
```

Рисунок 1 – git log

```
Command Prompt

changed README file

commit 1f77778eb5726f6efce91a53746ab249bb042de2
Author: Иван <ivannsharipkov@gmail.com>
Date: Sat Sep 3 18:39:15 2022 +0930

    Update README.md

commit 3a1134c6cf360cb030b63f888c6c1f157ac8543c
Author: Иван <ivannsharipkov@gmail.com>
Date: Sat Sep 3 18:32:05 2022 +0930

    Initial commit

C:\Users\User\University>git log --graph --pretty=oneline -- abbrev-commit

C:\Users\User\University>git log --pretty=oneline:%s
oneline:Merge branch 'main' of https://github.com/krutozavr1/University
oneline:final report
oneline:final report
oneline:final changes
oneline:added otchet
oneline:hello world on python
oneline:created python project
oneline:changed README file
oneline:Update README.md
oneline:Initial commit

C:\Users\User\University>
```

Рисунок 2 – git log pretty=oneline:%s

```
Command Prompt

commit 3a1134c6cf360cb030b63f888c6c1f157ac8543c
Author: Иван <ivannsharipkov@gmail.com>
Date: Sat Sep 3 18:32:05 2022 +0930

Initial commit

C:\Users\User\University>git log --graph --pretty=oneline -- abbrev-commit

C:\Users\User\University>git log --pretty=oneline:%s
online:Merge branch 'main' of https://github.com/krutozavr1/University
online:final report
online:final report
online:final changes
online:added otchet
online:hello world on python
online:created python project
online:changed README file
online:Update README.md
online:Initial commit

C:\Users\User\University>git show HEAD
commit 6600b0bffc97e961c5e5c596712664fb9cdf1d79 (HEAD -> main, origin/main, origin/HEAD)
Merge: deb71ba af36d6a
Author: krutozavr1 <ivannsharipkov@gmail.com>
Date: Sat Sep 10 11:59:50 2022 +0300

Merge branch 'main' of https://github.com/krutozavr1/University

C:\Users\User\University>
```

Рисунок 3 – git show HEAD

```
Command Prompt - git show HEAD~1

C:\Users\User\University>git show HEAD~1
commit deb71badb9779ef284dea7e6e0468e54b55ed2b2
Author: krutozavr1 <ivannsharipkov@gmail.com>
Date: Fri Sep 9 21:49:05 2022 +0300

final report

diff --git a/README.md b/README.md
index a3206c0..33f45ab 100644
--- a/README.md
+++ b/README.md
@@ -1,2 +1,2 @@
-## Шарипков Иван
-### Пиж-6-0-21-1
+### Пиж-6-0-21-1
diff --git "a/doc/\320\276\321\202\321\207\320\265\321\2021 (pdf.io).pdf" "b/doc/\320\276\321\202\321\207\320\265\321\2021.pdf"
similarity index 66%
rename from "doc/\320\276\321\202\321\207\320\265\321\2021 (pdf.io).pdf"
rename to "doc/\320\276\321\202\321\207\320\265\321\2021.pdf"
index 6cf4032..1a15d47 100644
--- "a/doc/\320\276\321\202\321\207\320\265\321\2021 (pdf.io).pdf"
+++ "b/doc/\320\276\321\202\321\207\320\265\321\2021.pdf"
@@ -1,5 +1,5 @@
МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ
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РОССИЙСКОЙ ФЕДЕРАЦИИ
```

Рисунок 4 – git show HEAD~1

```
Command Prompt - git show af36d6a
образовательное учреждение высшего образования

C:\Users\User\University>git show af36d6a
commit af36d6a05851437c027b9b5ccce8ff6397257d97
Author: krutozavr1 <ivannsharipkov@gmail.com>
Date:   Fri Sep 9 21:49:05 2022 +0300

    final report

diff --git "a/doc/\320\276\321\202\321\207\320\265\321\2021 (pdf.io).pdf" "b/doc/\320\276\321\202\321\207\320\265\321\2021.pdf"
similarity index 66%
rename from "doc/\320\276\321\202\321\207\320\265\321\2021 (pdf.io).pdf"
rename to "doc/\320\276\321\202\321\207\320\265\321\2021.pdf"
index 6cf4032..1a15d47 100644
--- "a/doc/\320\276\321\202\321\207\320\265\321\2021 (pdf.io).pdf"
+++ "b/doc/\320\276\321\202\321\207\320\265\321\2021.pdf"
@@ -1,5 +1,5 @@
-МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ
-РОССИЙСКОЙ ФЕДЕРАЦИИ
+РОССИЙСКОЙ ФЕДЕРАЦИИ
+
+Федеральное государственное автономное
+образовательное учреждение высшего образования
@@ -18,4 +18,8 @@
                                     »_____20__г.

                                     Ставрополь 2022
^L^L^L^L
\ No newline at end of file
```

Рисунок 5 – git show af36d6a

```
Command Prompt

M      progForGit/.vs/ProjectEvaluation/progforgit.projects.v5.1
M      progForGit/.vs/progForGit/DesignTimeBuild/.dtbcache.v2
M      progForGit/.vs/progForGit/v17/.suo
M      progForGit/Program.cs

C:\Users\User\University>git checkout - progForGit/Program.cs
error: pathspec '-' did not match any file(s) known to git

C:\Users\User\University>git checkout -- progForGit/Program.cs

C:\Users\User\University>git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   progForGit/.vs/ProjectEvaluation/progforgit.metadata.v5.1
        modified:   progForGit/.vs/ProjectEvaluation/progforgit.projects.v5.1
        modified:   progForGit/.vs/progForGit/DesignTimeBuild/.dtbcache.v2
        modified:   progForGit/.vs/progForGit/v17/.suo

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        progForGit/.vs/progForGit/FileContentIndex/

no changes added to commit (use "git add" and/or "git commit -a")
C:\Users\User\University>
```

Рисунок 6 – отмена изменений в файле с помощью git checkout

```
Command Prompt
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   progForGit/.vs/ProjectEvaluation/progforgit.metadata.v5.1
        modified:   progForGit/.vs/ProjectEvaluation/progforgit.projects.v5.1
        modified:   progForGit/.vs/progForGit/DesignTimeBuild/.dtbcache.v2
        modified:   progForGit/.vs/progForGit/v17/.suo

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        progForGit/.vs/progForGit/FileContentIndex/

no changes added to commit (use "git add" and/or "git commit -a")

C:\Users\User\University>git add .

C:\Users\User\University>git commit -m"commit to use git reset"
[main a3162b6] commit to use git reset
 7 files changed, 1 insertion(+), 1 deletion(-)
 create mode 100644 progForGit/.vs/progForGit/FileContentIndex/e7d84017-087e-4636-8593-2174e9572ead.vsidx
 create mode 100644 progForGit/.vs/progForGit/FileContentIndex/read.lock
 rewrite progForGit/.vs/progForGit/v17/.suo (73%)

C:\Users\User\University>git reset --hard HEAD~1
HEAD is now at 88055be added c# file

C:\Users\User\University>
```

Рисунок 6 – отмена коммита в файле с помощью git reset