

Практика номер 1

Налбуш Адриан

Работа с Git

Подготовка

Установка имени и электронной почты

```
724@DESKTOP-H6APTSR MINGW64 ~  
$ git config --global user.name "Nalbus Adrian"  
  
724@DESKTOP-H6APTSR MINGW64 ~  
$ git config --global user.email "adriannalbus@gmail.com"  
  
724@DESKTOP-H6APTSR MINGW64 ~  
$
```

Параметры окончаний строк

```
724@DESKTOP-H6APTSR MINGW64 ~  
$ git config --global core.autocrlf true  
  
724@DESKTOP-H6APTSR MINGW64 ~  
$ git config --global core.safecrlf true  
  
724@DESKTOP-H6APTSR MINGW64 ~  
$ git config --global core.autocrlf true  
  
724@DESKTOP-H6APTSR MINGW64 ~  
$  
  
724@DESKTOP-H6APTSR MINGW64 ~  
$ |
```

Установка отображения unicode

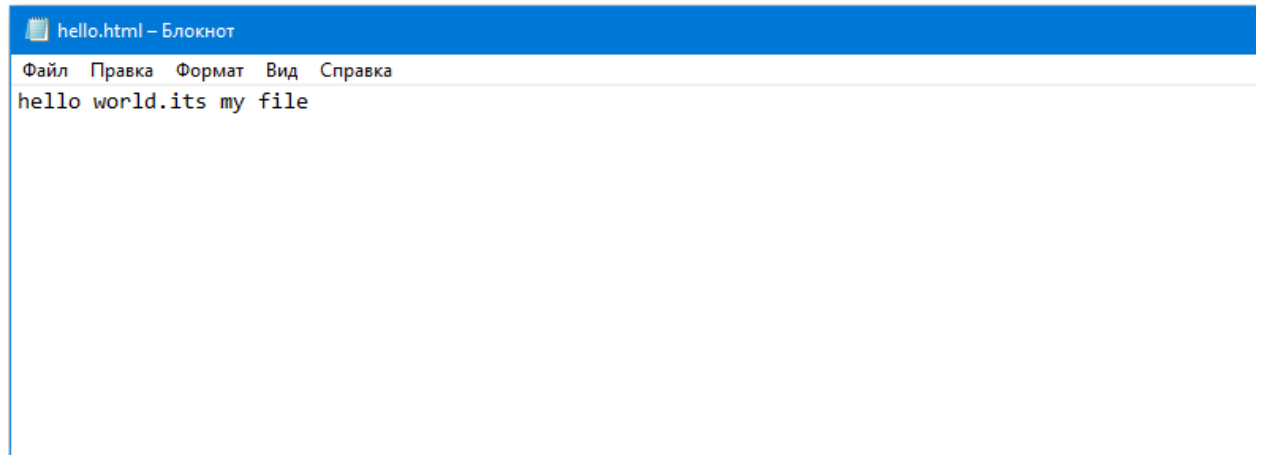
```
724@DESKTOP-H6APTSR MINGW64 ~  
$ git config --global core.quotePath off  
  
724@DESKTOP-H6APTSR MINGW64 ~  
$ |
```

Создание проекта

Создание каталога и файла



Рисунок 1 - Содержание файла



Создание репозитория

```
724@DESKTOP-H6APTSR MINGW64 ~  
$ git init  
Initialized empty Git repository in C:/Users/724/.git/  
724@DESKTOP-H6APTSR MINGW64 ~ (master)  
$
```

Добавление в репозиторий

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)  
$ git add hello.html  
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)  
$
```

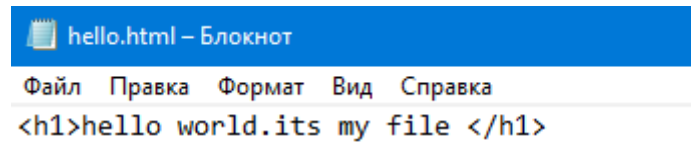
Проверка состояния

Проверка состояния репозитория

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)  
$ git status  
On branch master  
nothing to commit, working tree clean
```

Внесение изменений

Внесение изменений в файл



```
hello.html – Блокнот
Файл  Правка  Формат  Вид  Справка
<h1>hello world.its my file </h1>
```

Сообщение о незафиксированных изменениях

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git status
On branch master
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:   hello.html

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

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |
```

Индексация изменений

Команды для индексации изменений

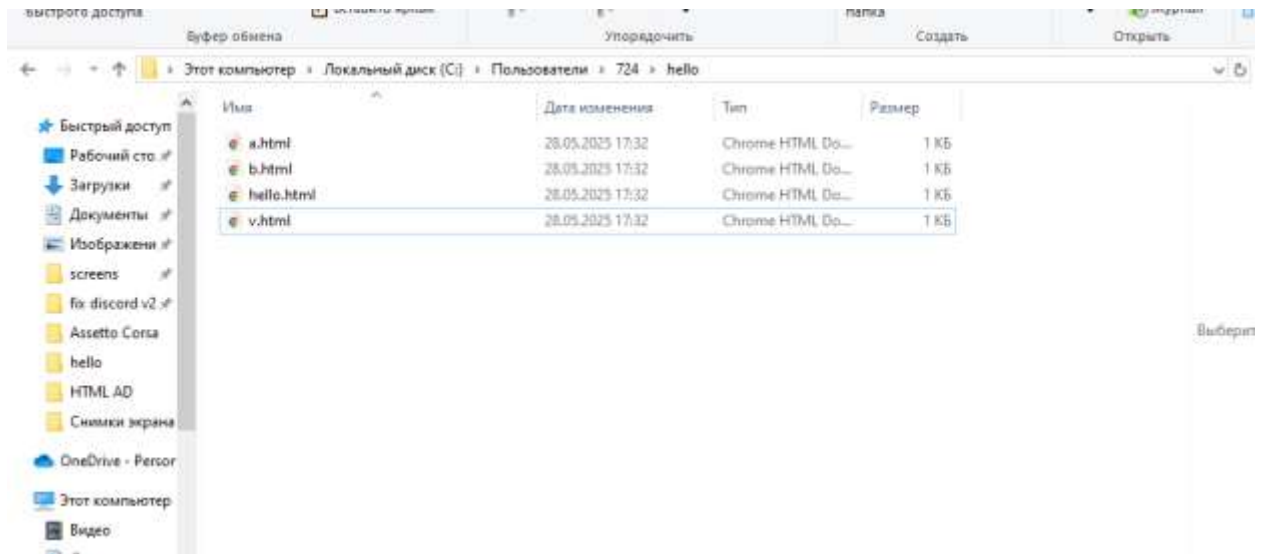
```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git add hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$
```

Индексация и коммит

Создано 3 файла



Индексация и коммит для 2 файлов

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git add a.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git add b.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git commit -m "Changes for a and b"
[master 52ffeff] Changes for a and b
3 files changed, 3 insertions(+), 1 deletion(-)
create mode 100644 a.html
create mode 100644 b.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$
```

Индексация и коммит для третьего файла

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git commit -m "Unrelated for v"
[master ddbd393] Unrelated for v
1 file changed, 1 insertion(+)
create mode 100644 v.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |
```

Коммит изменений

Коммит изменений

```
HELEN V@LAPTOP-BPH65Q86 MINGW64 ~/Desktop/hello (master)
$ git add hello.html

HELEN V@LAPTOP-BPH65Q86 MINGW64 ~/Desktop/hello (master)
$ git commit
hint: Waiting for your editor to close the file...
[main 2021-01-31T08:05:41.046Z] update#setState idle
```

Ввод комментария

```
*COMMIT_EDITMSG - Блокнот
Файл Правка Формат Вид Справка
Added h2 tag
# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# On branch master
# Changes to be committed:
#   modified:   hello.html
#
```

Коммит-сообщения

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git add hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git commit
hint: Waiting for your editor to close the file... unix2dos: converting f
file C:/Users/724/hello/.git/COMMIT_EDITMSG to DOS format...
dos2unix: converting file C:/Users/724/hello/.git/COMMIT_EDITMSG to Unix
format...
[master a7a9bcd] Added h2 tag
1 file changed, 2 insertions(+), 1 deletion(-)

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$
```

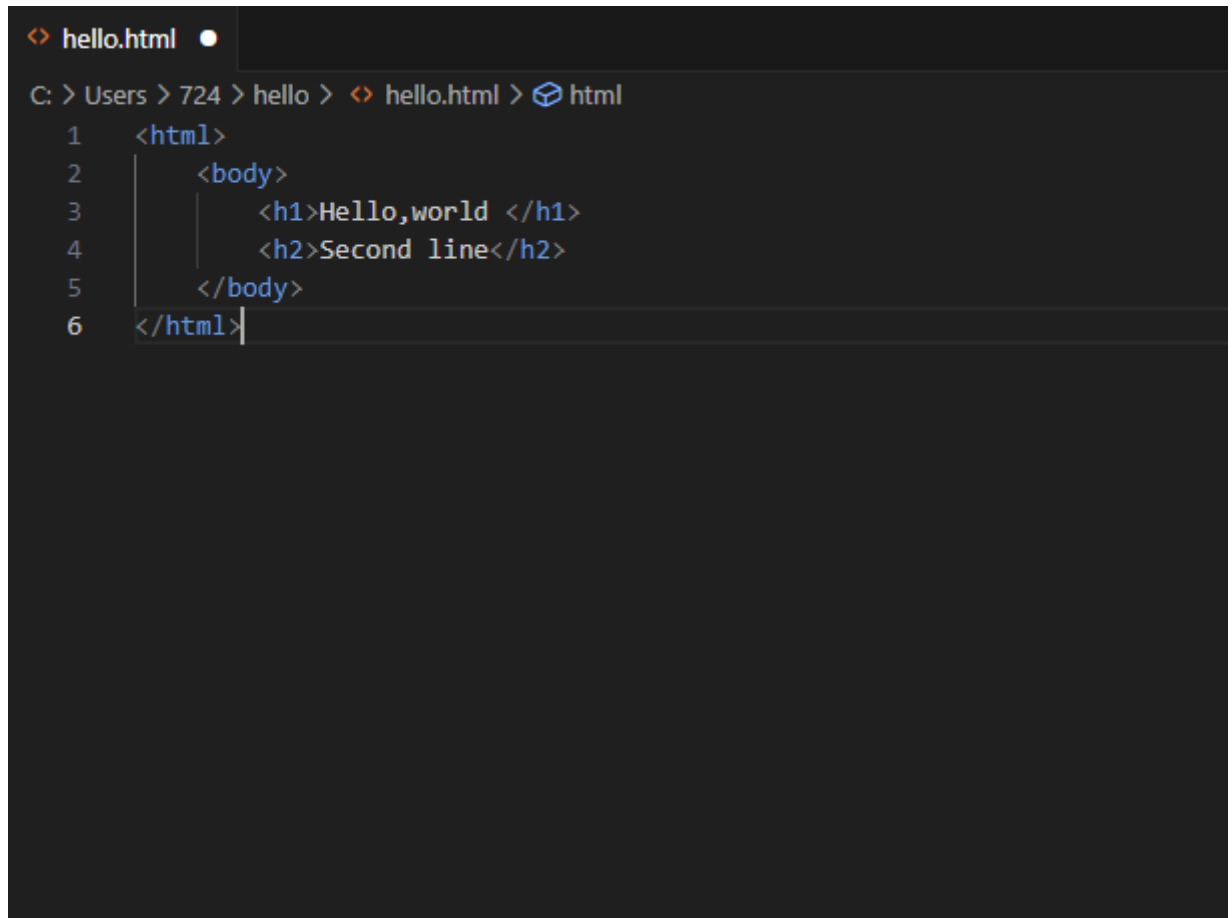
Проверка состояния

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git status
On branch master
nothing to commit, working tree clean

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |
```

Изменения, а не файлы

Добавление тегов html и body

A screenshot of a code editor window. The title bar at the top shows a file named 'hello.html' with a small icon and a dot. The editor's breadcrumb navigation at the top reads 'C: > Users > 724 > hello > hello.html > html'. The main text area contains an HTML document structure with line numbers 1 through 6 on the left. The code is: 1 <html>, 2 <body>, 3 <h1>Hello,world </h1>, 4 <h2>Second line</h2>, 5 </body>, 6 </html>. The cursor is positioned at the end of the sixth line.

```
<> hello.html ●
C: > Users > 724 > hello > <> hello.html > html
1  <html>
2    <body>
3      <h1>Hello,world </h1>
4      <h2>Second line</h2>
5    </body>
6  </html>|
```

Добавление тега head

```
C: > Users > 724 > hello > <> hello.html > html > head
1  <html>
2    <head>
3
4  </head>
5    <body>
6      <h1>Hello,world </h1>
7      <h2>Second line</h2>
8    </body>
9  </html>
```

Проверка состояния

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git status
On branch master
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:   hello.html

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

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$
```

Коммит 1 изменения и проверка состояния

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git add hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git commit -m "Add standart HTML tags"
[master 8ac6b31] Add standart HTML tags
1 file changed, 8 insertions(+), 2 deletions(-)

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |
```

Индексация 2 изменения и проверка состояния

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git add .

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |
```

Коммит 2 изменения

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git commit -m "Add HTML header"
[master 173d451] Add HTML header
 1 file changed, 1 insertion(+), 1 deletion(-)

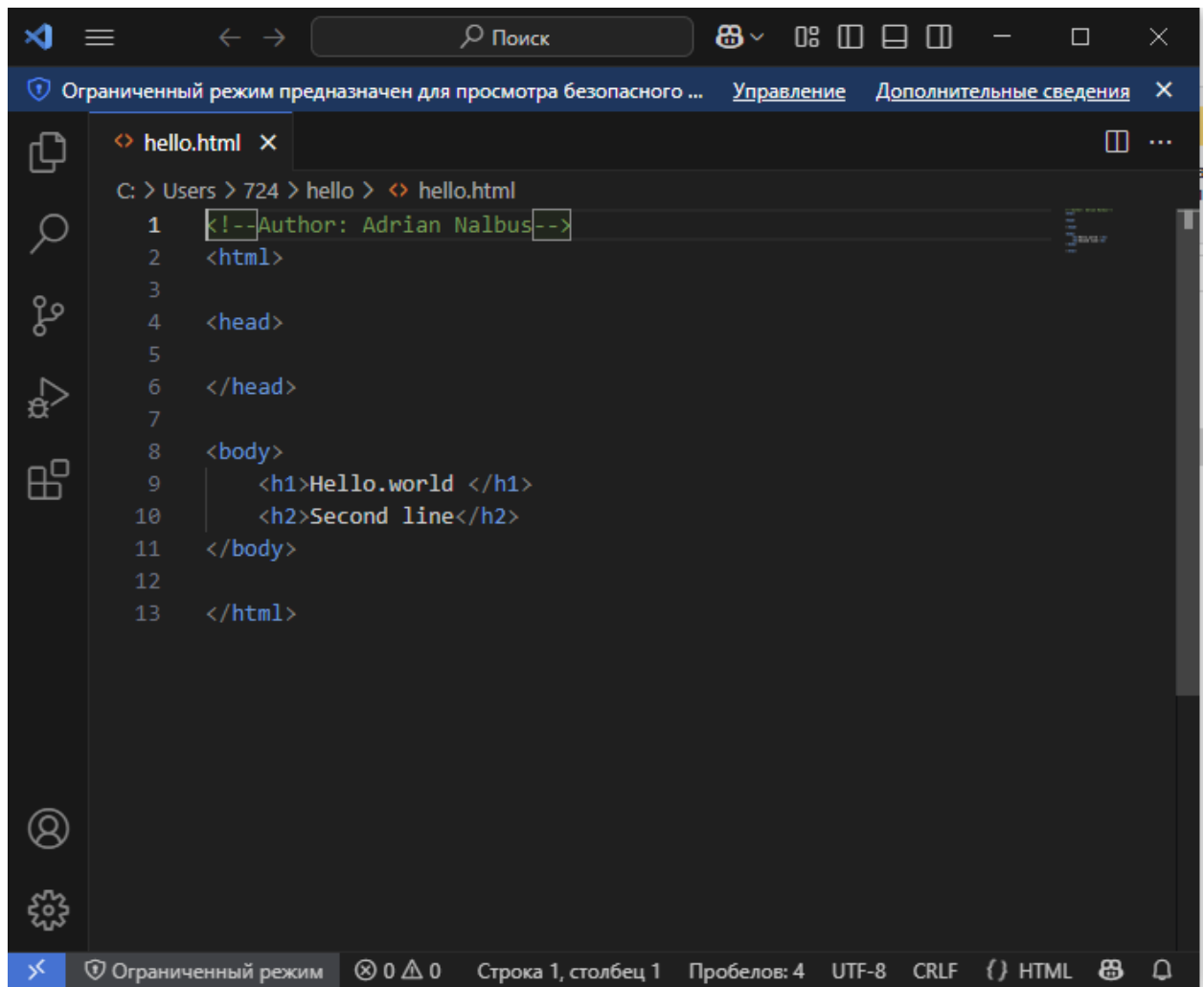
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$
```


Практика номер 3

Налбуш Адриан

Работа с Git

Внесение изменений в коммиты



```
1 <!--Author: Adrian Nalbus-->
2 <html>
3
4 <head>
5
6 </head>
7
8 <body>
9   <h1>Hello.world </h1>
10  <h2>Second line</h2>
11 </body>
12
13 </html>
```

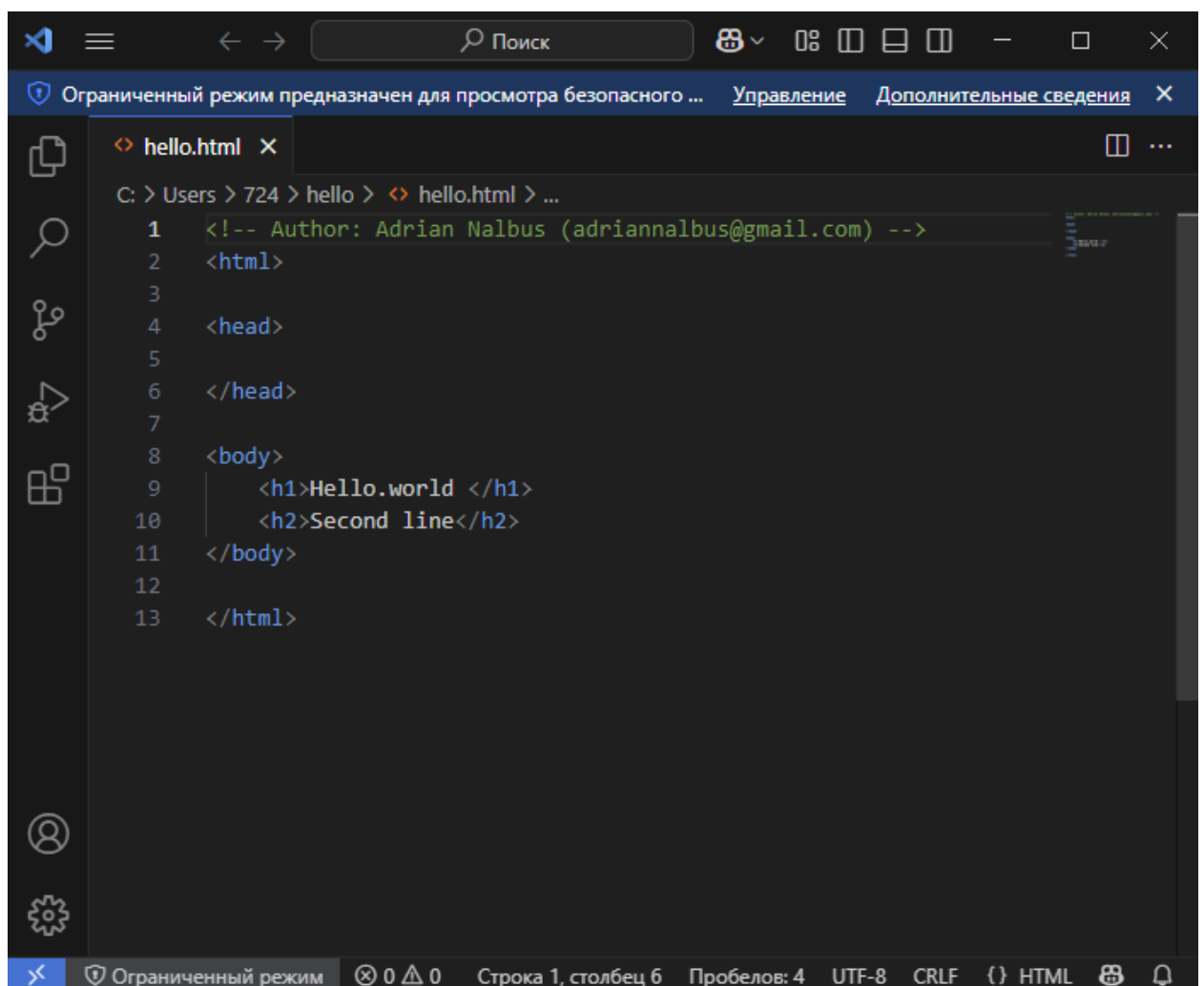
Добавление комментария в файл

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git add hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git commit -m "Add an author comment"
[master f96e3c2] Add an author comment
1 file changed, 1 insertion(+)

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |
```

Индексация и коммит



The screenshot shows a web browser window with a dark theme. The address bar shows the path C: > Users > 724 > hello > <code>hello.html</code> > ... The page content is an HTML document with the following structure:

```
1 <!-- Author: Adrian Nalbus (adriannalbus@gmail.com) -->
2 <html>
3
4 <head>
5
6 </head>
7
8 <body>
9     <h1>Hello.world </h1>
10    <h2>Second line</h2>
11 </body>
12
13 </html>
```

The status bar at the bottom indicates the file is in "Ограниченный режим" (Restricted mode), the encoding is UTF-8, and the line and column numbers are 1 and 6 respectively.

Добавление электронной почты

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git add hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git commit --amend -m "Add an author/email comment"
[master d70a372] Add an author/email comment
Date: Fri Jun 6 11:07:35 2025 +0300
1 file changed, 1 insertion(+)

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$

```

Индексация и изменение коммита

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git hist
* d70a372 2025-06-06 | Add an author/email comment (HEAD -> master) [Nalbus Adri
an]
* 173d451 2025-05-28 | Add HTML header (tag: ver1) [Nalbus Adrian]
* d80a4b5 2025-05-28 | Add standart HTML tags (tag: ver1-beta) [Nalbus Adrian]
* 8ac6b31 2025-05-28 | Add standart HTML tags [Nalbus Adrian]
* a7a9bcd 2025-05-28 | Added h2 tag [Nalbus Adrian]
* 4ec8911 2025-05-28 | unrelated change for v [Nalbus Adrian]
* 1be46a2 2025-05-28 | Unrelated for v [Nalbus Adrian]
* 52ffeff 2025-05-28 | Changes for a and b [Nalbus Adrian]
* ab22b73 2025-05-28 | Добавлен файл hello.html [Nalbus Adrian]

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ S

```

Последний коммит изменен

Перемещение файлов

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ mkdir lib

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git mv hello.html lib

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        renamed:    hello.html -> lib/hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

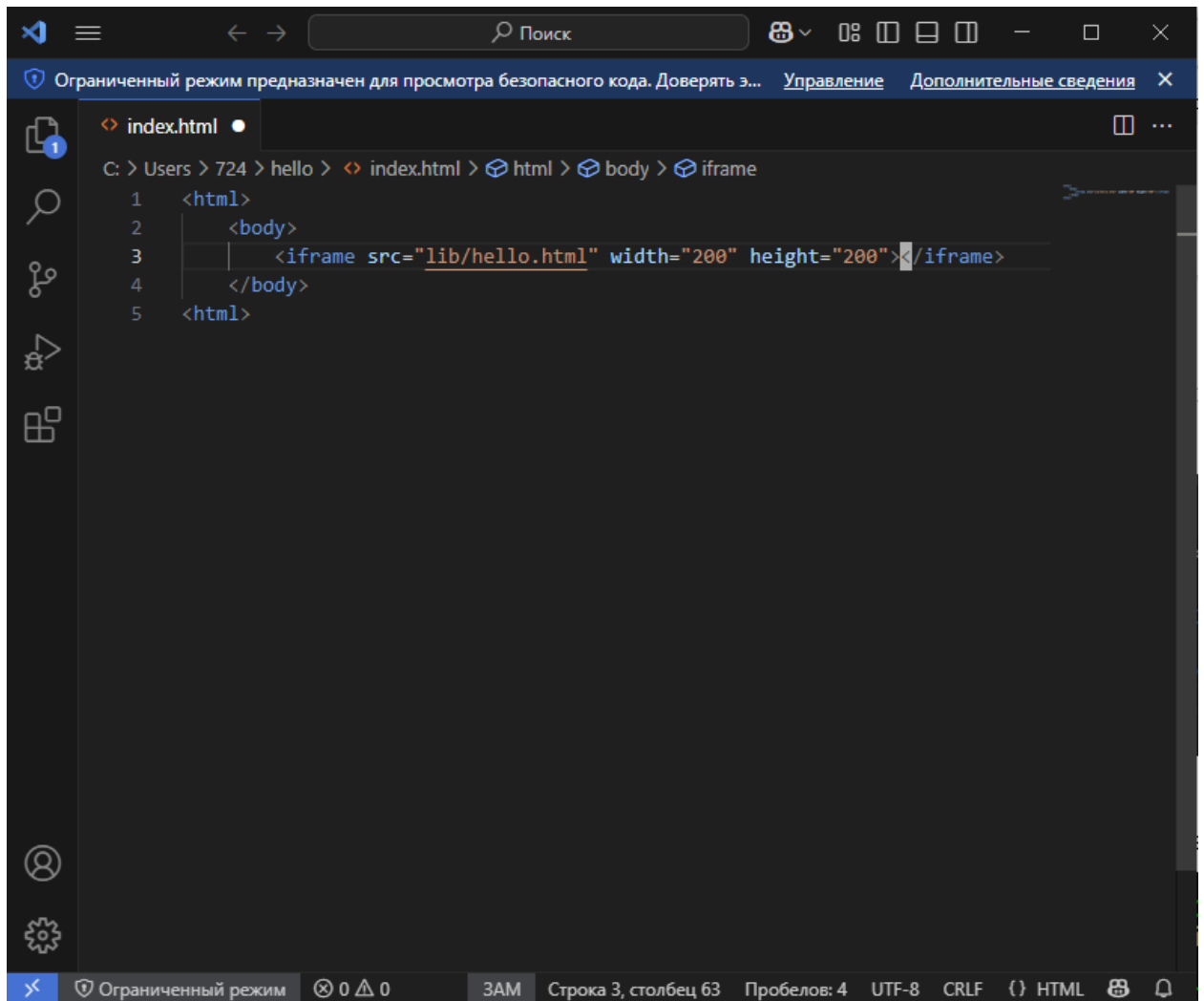
Перемещение файла

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git commit --m "Moved hello.html to lib"
[master c442dfc] Moved hello.html to lib
1 file changed, 0 insertions(+), 0 deletions(-)
rename hello.html => lib/hello.html (100%)

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$
```

Коммит перемещения

Подробнее о структуре



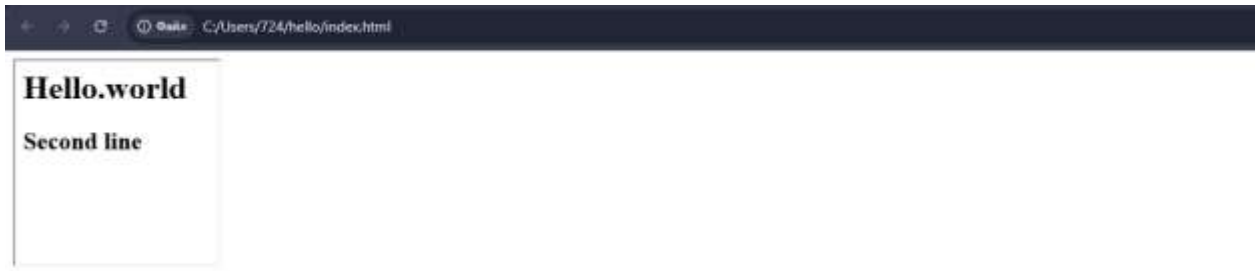
Содержимое файла index.html

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git add index.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git commit -m "Added index.html"
[master 7a2d452] Added index.html
1 file changed, 6 insertions(+)
create mode 100644 index.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |
```

Индексация и коммит



Файл index.html, открытый в браузере

Каталог .git

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ ls -C .git
COMMIT_EDITMSG  ORIG_HEAD  description  index  logs/  refs/
HEAD           config     hooks/       info/  objects/

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |
```

Содержание каталога .git

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ ls -C .git/objects
04/ 17/ 30/ 48/ 4e/ 69/ 7c/ 85/ 9a/ b2/ c5/ d7/ f2/ pack/
05/ 18/ 3d/ 4b/ 52/ 72/ 80/ 8a/ a7/ be/ c7/ d8/ f9/
0b/ 1b/ 3f/ 4d/ 59/ 7a/ 83/ 8b/ ab/ c4/ d0/ dd/ info/

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |
```

Содержание каталога objects

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ ls -C .git/objects
04/ 17/ 30/ 48/ 4e/ 69/ 7c/ 85/ 9a/ b2/ c5/ d7/ f2/ pack/
05/ 18/ 3d/ 4b/ 52/ 72/ 80/ 8a/ a7/ be/ c7/ d8/ f9/
0b/ 1b/ 3f/ 4d/ 59/ 7a/ 83/ 8b/ ab/ c4/ d0/ dd/ info/

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ ls -C .git/objects/8a
c6b31f534f09a79a35a579073391a0f000bb6b

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |
```

Просмотр каталога 8d

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ cat .git/config
[core]
    repositoryformatversion = 0
    filemode = false
    bare = false
    logallrefupdates = true
    symlinks = false
    ignorecase = true

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$
```

Просмотр файла конфигурации

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ ls .git/refs
heads/  tags/

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ ls .git/refs/heads
master

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ ls .git/refs/tags
ver1  ver1-beta

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ cat .git/refs/tags/ver1
173d451acc0a16843295477813f800c1c14b844c

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Просмотр файлов и веток

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ cat .git/HEAD
ref: refs/heads/master

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

- Содержимое файла HEAD

Работа с объектами git

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git hist --max-count=1
* 7a2d452 2025-06-06 | Added index.html (HEAD -> master) [Nalbus Adrian]

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$

```

Последний коммит

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git cat-file -t 7a2d452
commit

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git cat-file -p 7a2d452
tree 80443dc291ebe362a274fc8a47c82ceddd48db39
parent c442dfcc265c8705d9ede156c89738338d779678
author Nalbus Adrian <adriannalbus@gmail.com> 1749198535 +0300
committer Nalbus Adrian <adriannalbus@gmail.com> 1749198535 +0300

Added index.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$

```

Просмотр объекта коммита

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git type 7a2d452
commit

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git dump 7a2d452
tree 80443dc291ebe362a274fc8a47c82ceddd48db39
parent c442dfcc265c8705d9ede156c89738338d779678
author Nalbus Adrian <adriannalbus@gmail.com> 1749198535 +0300
committer Nalbus Adrian <adriannalbus@gmail.com> 1749198535 +0300

Added index.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Использование алиасов

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git cat-file -p 80443dc291
100644 blob b21c1990302f2edb63ebb1fc749915543df3a909    a.html
100644 blob b21c1990302f2edb63ebb1fc749915543df3a909    b.html
100644 blob 69afebade1023fc5f2f64ab2b4b65794fb6e7319    index.html
040000 tree ab7c34c2ab2eba78900978575c265ad32305a49d    lib
100644 blob be3c197367591e91a300e447addaec2ef5c4e01f    v.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Просмотр дерева каталогов

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git cat-file -p ab7c34c2ab
100644 blob 85f13aafa51b5a71b550e1f897e5d775adf112db    hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Просмотр каталога lib

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git cat-file -p 85f13aafa51
<!-- Author: Adrian Nalbus (adriannalbus@gmail.com) -->
<html>

<head>

</head>

<body>
  <h1>Hello.world </h1>
  <h2>Second line</h2>
</body>

</html>
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Вывод содержимого файла hello.html


```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git hist
* 7a2d452 2025-06-06 | Added index.html (HEAD -> master) [Nalbus Adrian]
* c442dfc 2025-06-06 | Moved hello.html to lib [Nalbus Adrian]
* d70a372 2025-06-06 | Add an author/email comment [Nalbus Adrian]
* 173d451 2025-05-28 | Add HTML header (tag: ver1) [Nalbus Adrian]
* d80a4b5 2025-05-28 | Add standart HTML tags (tag: ver1-beta) [Nalbus Adrian]
* 8ac6b31 2025-05-28 | Add standart HTML tags [Nalbus Adrian]
* a7a9bcd 2025-05-28 | Added h2 tag [Nalbus Adrian]
* 4ec8911 2025-05-28 | unrelated change for v [Nalbus Adrian]
* 1be46a2 2025-05-28 | Unrelated for v [Nalbus Adrian]
* 52ffeff 2025-05-28 | Changes for a and b [Nalbus Adrian]
* ab22b73 2025-05-28 | Добавлен файл hello.html [Nalbus Adrian]

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git cat-file -p ab22b73
tree 59258c2aa8811b6a3d65965de70e3d82b16e6ce1
author Nalbus Adrian <adriannalbus@gmail.com> 1748442687 +0300
committer Nalbus Adrian <adriannalbus@gmail.com> 1748442687 +0300

Добавлен файл hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git cat-file -p 59258c2aa
100644 blob 3d3d8688483124c38cfbdc6c92fe58ea9b2450f7    hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git cat-file -p 3d3d868848
hello world.its my file
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$

```

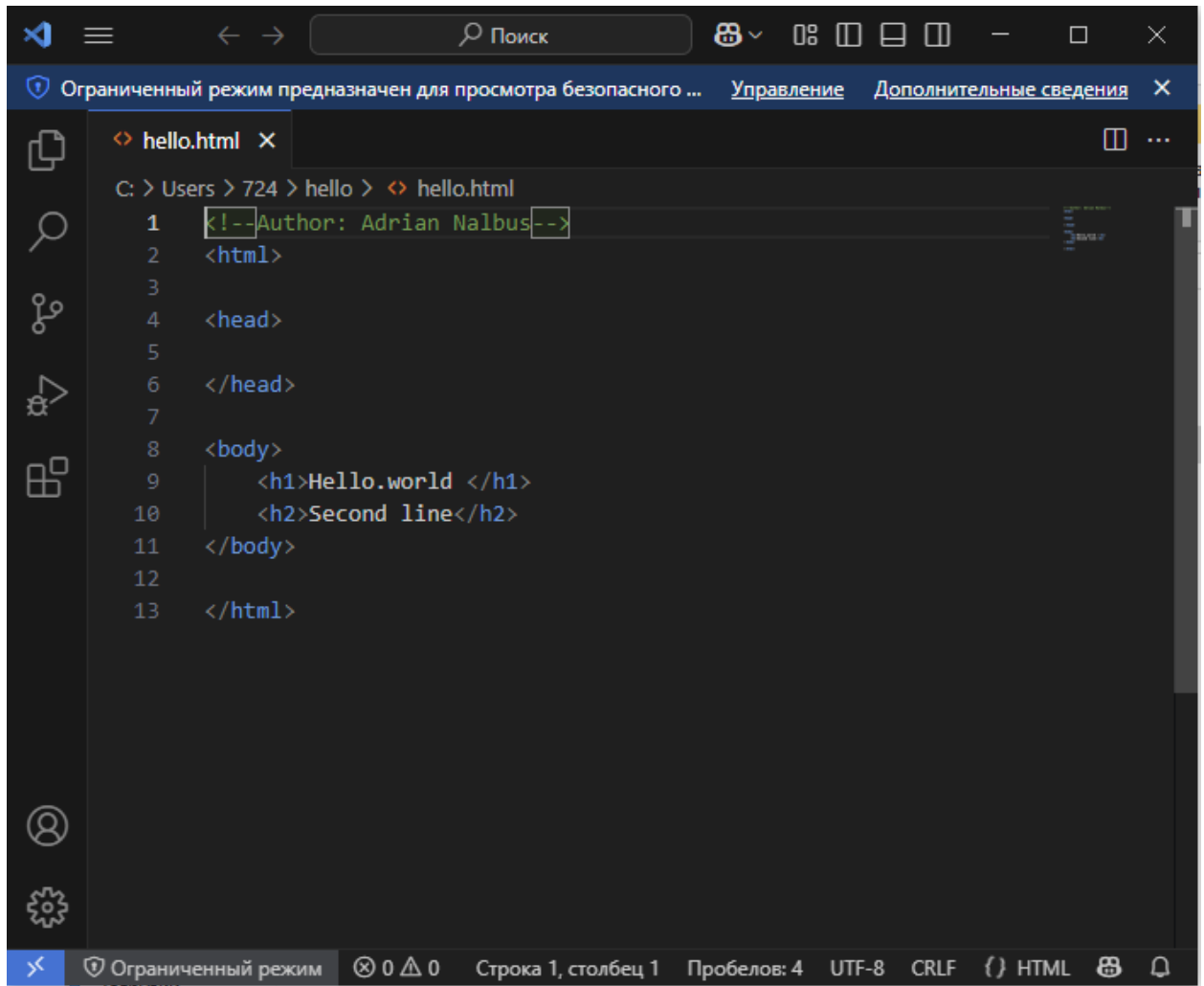
Просмотр содержимого файла при первом коммите

Практика номер 3

Налбуш Адриан

Работа с Git

Внесение изменений в коммиты



```
1 <!--Author: Adrian Nalbus-->
2 <html>
3
4 <head>
5
6 </head>
7
8 <body>
9   <h1>Hello.world </h1>
10  <h2>Second line</h2>
11 </body>
12
13 </html>
```

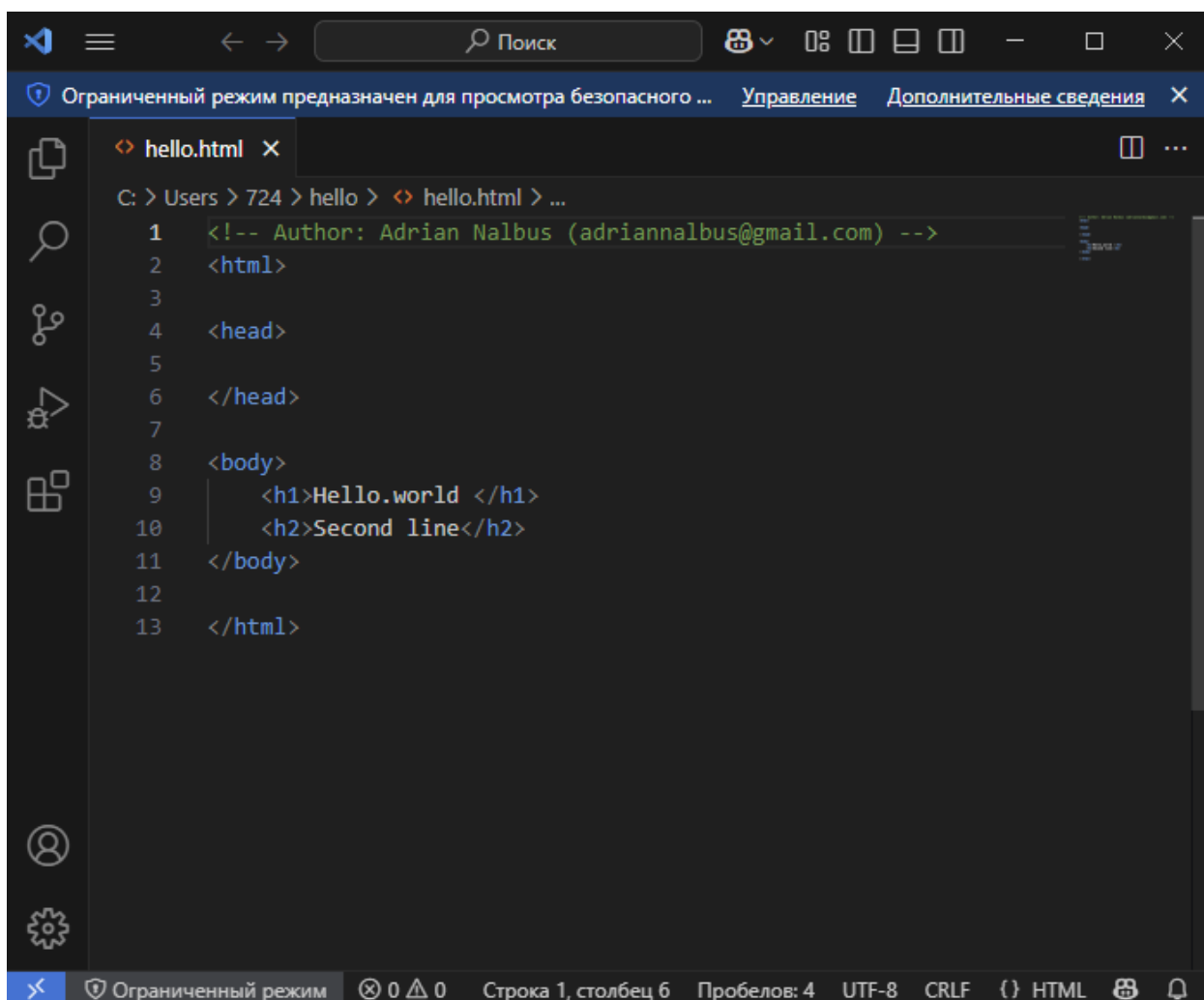
Добавление комментария в файл

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git add hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git commit -m "Add an author comment"
[master f96e3c2] Add an author comment
1 file changed, 1 insertion(+)

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |
```

Индексация и коммит



```
<!-- Author: Adrian Nalbus (adriannalbus@gmail.com) -->
<html>
<head>
</head>
<body>
  <h1>Hello.world </h1>
  <h2>Second line</h2>
</body>
</html>
```

Добавление электронной почты

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git add hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git commit --amend -m "Add an author/email comment"
[master d70a372] Add an author/email comment
Date: Fri Jun 6 11:07:35 2025 +0300
1 file changed, 1 insertion(+)

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$

```

Индексация и изменение коммита

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git hist
* d70a372 2025-06-06 | Add an author/email comment (HEAD -> master) [Nalbus Adri
an]
* 173d451 2025-05-28 | Add HTML header (tag: ver1) [Nalbus Adrian]
* d80a4b5 2025-05-28 | Add standart HTML tags (tag: ver1-beta) [Nalbus Adrian]
* 8ac6b31 2025-05-28 | Add standart HTML tags [Nalbus Adrian]
* a7a9bcd 2025-05-28 | Added h2 tag [Nalbus Adrian]
* 4ec8911 2025-05-28 | unrelated change for v [Nalbus Adrian]
* 1be46a2 2025-05-28 | Unrelated for v [Nalbus Adrian]
* 52ffeff 2025-05-28 | Changes for a and b [Nalbus Adrian]
* ab22b73 2025-05-28 | Добавлен файл hello.html [Nalbus Adrian]

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ S

```

Последний коммит изменен

Перемещение файлов

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ mkdir lib

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git mv hello.html lib

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        renamed:    hello.html -> lib/hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

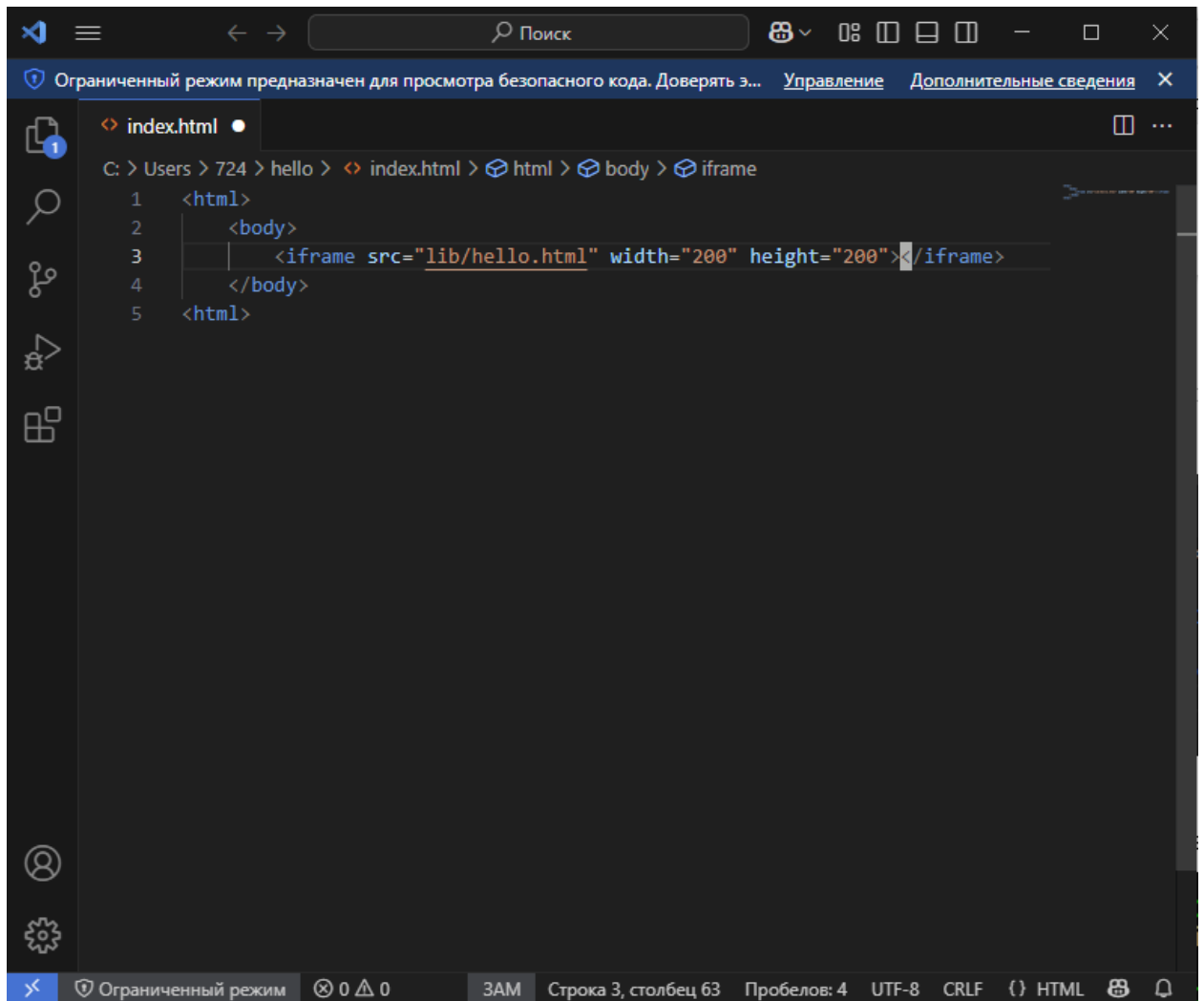
Перемещение файла

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git commit --m "Moved hello.html to lib"
[master c442dfc] Moved hello.html to lib
1 file changed, 0 insertions(+), 0 deletions(-)
rename hello.html => lib/hello.html (100%)

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$
```

Коммит перемещения

Подробнее о структуре



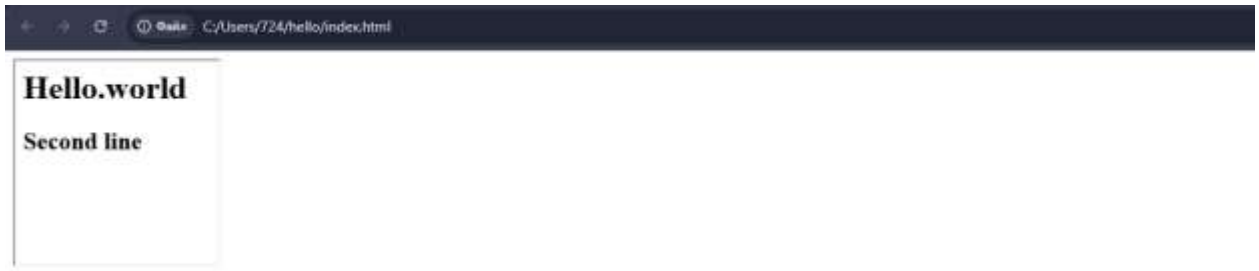
Содержимое файла index.html

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git add index.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git commit -m "Added index.html"
[master 7a2d452] Added index.html
1 file changed, 6 insertions(+)
create mode 100644 index.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |
```

Индексация и коммит



Файл index.html, открытый в браузере

Каталог .git

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ ls -C .git
COMMIT_EDITMSG  ORIG_HEAD  description  index  logs/  refs/
HEAD           config     hooks/       info/  objects/

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |
```

Содержание каталога .git

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ ls -C .git/objects
04/ 17/ 30/ 48/ 4e/ 69/ 7c/ 85/ 9a/ b2/ c5/ d7/ f2/ pack/
05/ 18/ 3d/ 4b/ 52/ 72/ 80/ 8a/ a7/ be/ c7/ d8/ f9/
0b/ 1b/ 3f/ 4d/ 59/ 7a/ 83/ 8b/ ab/ c4/ d0/ dd/ info/

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |
```

Содержание каталога objects

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ ls -C .git/objects
04/ 17/ 30/ 48/ 4e/ 69/ 7c/ 85/ 9a/ b2/ c5/ d7/ f2/ pack/
05/ 18/ 3d/ 4b/ 52/ 72/ 80/ 8a/ a7/ be/ c7/ d8/ f9/
0b/ 1b/ 3f/ 4d/ 59/ 7a/ 83/ 8b/ ab/ c4/ d0/ dd/ info/

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ ls -C .git/objects/8a
c6b31f534f09a79a35a579073391a0f000bb6b

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |
```

Просмотр каталога 8d

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ cat .git/config
[core]
    repositoryformatversion = 0
    filemode = false
    bare = false
    logallrefupdates = true
    symlinks = false
    ignorecase = true

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$
```

Просмотр файла конфигурации

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ ls .git/refs
heads/  tags/

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ ls .git/refs/heads
master

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ ls .git/refs/tags
ver1  ver1-beta

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ cat .git/refs/tags/ver1
173d451acc0a16843295477813f800c1c14b844c

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Просмотр файлов и веток

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ cat .git/HEAD
ref: refs/heads/master

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

- Содержимое файла HEAD

Работа с объектами git

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git hist --max-count=1
* 7a2d452 2025-06-06 | Added index.html (HEAD -> master) [Nalbus Adrian]

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$

```

Последний коммит

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git cat-file -t 7a2d452
commit

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git cat-file -p 7a2d452
tree 80443dc291ebe362a274fc8a47c82ceddd48db39
parent c442dfcc265c8705d9ede156c89738338d779678
author Nalbus Adrian <adriannalbus@gmail.com> 1749198535 +0300
committer Nalbus Adrian <adriannalbus@gmail.com> 1749198535 +0300

Added index.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$

```

Просмотр объекта коммита


```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git type 7a2d452
commit

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git dump 7a2d452
tree 80443dc291ebe362a274fc8a47c82ceddd48db39
parent c442dfcc265c8705d9ede156c89738338d779678
author Nalbus Adrian <adriannalbus@gmail.com> 1749198535 +0300
committer Nalbus Adrian <adriannalbus@gmail.com> 1749198535 +0300

Added index.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Использование алиасов

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git cat-file -p 80443dc291
100644 blob b21c1990302f2edb63ebb1fc749915543df3a909    a.html
100644 blob b21c1990302f2edb63ebb1fc749915543df3a909    b.html
100644 blob 69afebade1023fc5f2f64ab2b4b65794fb6e7319    index.html
040000 tree ab7c34c2ab2eba78900978575c265ad32305a49d    lib
100644 blob be3c197367591e91a300e447addaec2ef5c4e01f    v.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Просмотр дерева каталогов

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git cat-file -p ab7c34c2ab
100644 blob 85f13aafa51b5a71b550e1f897e5d775adf112db    hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Просмотр каталога lib

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git cat-file -p 85f13aafa51
<!-- Author: Adrian Nalbus (adriannalbus@gmail.com) -->
<html>

<head>

</head>

<body>
  <h1>Hello.world </h1>
  <h2>Second line</h2>
</body>

</html>
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Вывод содержимого файла hello.html

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git hist
* 7a2d452 2025-06-06 | Added index.html (HEAD -> master) [Nalbus Adrian]
* c442dfc 2025-06-06 | Moved hello.html to lib [Nalbus Adrian]
* d70a372 2025-06-06 | Add an author/email comment [Nalbus Adrian]
* 173d451 2025-05-28 | Add HTML header (tag: ver1) [Nalbus Adrian]
* d80a4b5 2025-05-28 | Add standart HTML tags (tag: ver1-beta) [Nalbus Adrian]
* 8ac6b31 2025-05-28 | Add standart HTML tags [Nalbus Adrian]
* a7a9bcd 2025-05-28 | Added h2 tag [Nalbus Adrian]
* 4ec8911 2025-05-28 | unrelated change for v [Nalbus Adrian]
* 1be46a2 2025-05-28 | Unrelated for v [Nalbus Adrian]
* 52ffeff 2025-05-28 | Changes for a and b [Nalbus Adrian]
* ab22b73 2025-05-28 | Добавлен файл hello.html [Nalbus Adrian]

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git cat-file -p ab22b73
tree 59258c2aa8811b6a3d65965de70e3d82b16e6ce1
author Nalbus Adrian <adriannalbus@gmail.com> 1748442687 +0300
committer Nalbus Adrian <adriannalbus@gmail.com> 1748442687 +0300

Добавлен файл hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git cat-file -p 59258c2aa
100644 blob 3d3d8688483124c38cfbdc6c92fe58ea9b2450f7    hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git cat-file -p 3d3d868848
hello world.its my file
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$

```

Просмотр содержимого файла при первом коммите

Практика номер 4

Налбуш Адриан

Работа с Git

Создание ветки

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git checkout -b style
Switched to a new branch 'style'

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git status
On branch style
nothing to commit, working tree clean

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ |

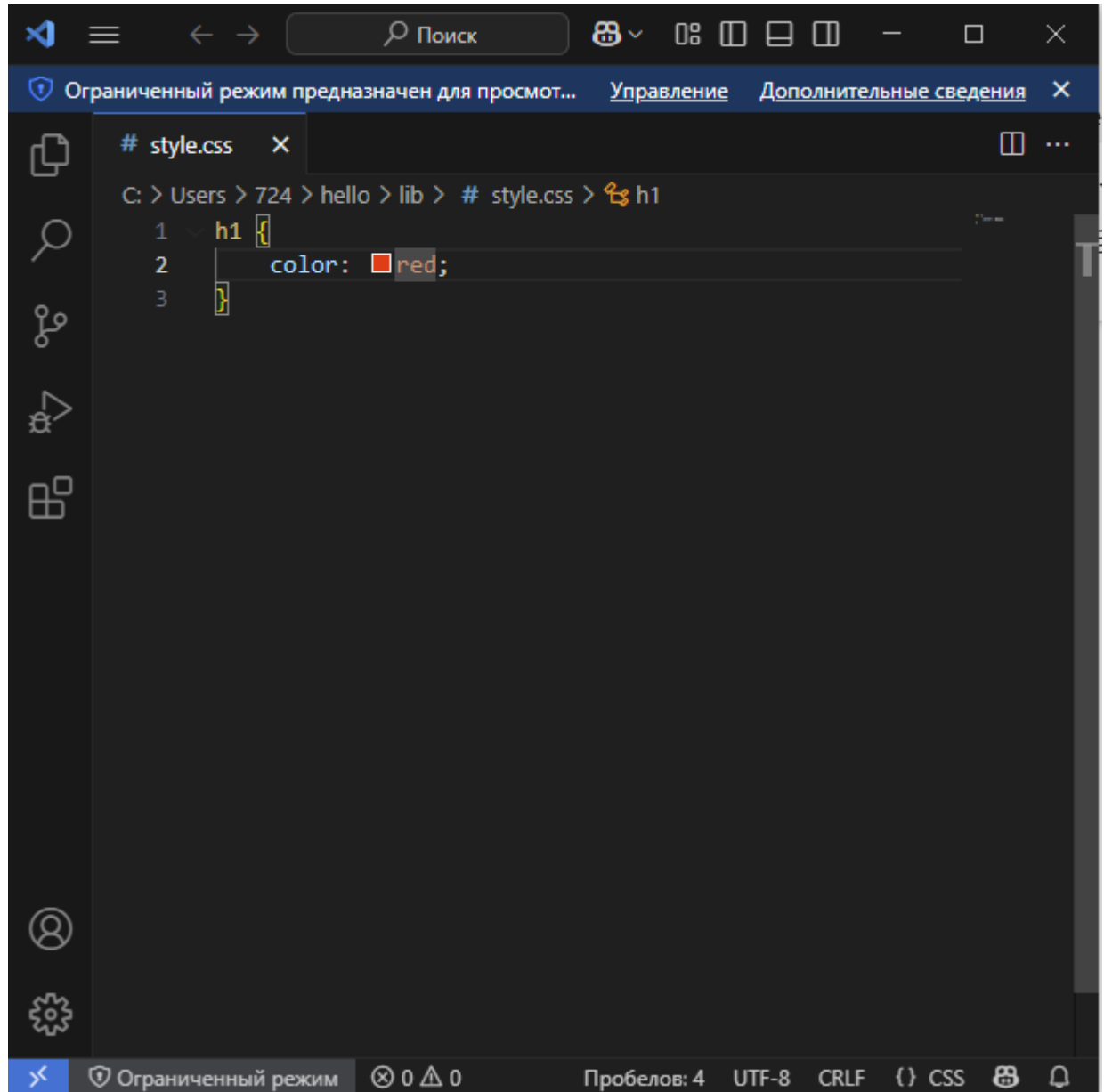
```

Создание новой ветки style

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ touch lib/style.css

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ |
```

Создание файла стилей



Код style.css

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git add lib/style.css

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git commit -m "Added css stylesheet"
[style 1ba004c] Added css stylesheet
1 file changed, 3 insertions(+)
create mode 100644 lib/style.css

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ |

```

Индексация и коммит нового файла

```

<> hello.html X
C: > Users > 724 > hello > lib > <> hello.html > html
1  <!-- Author: Adrian Nalbus (adriannalbus@gmail.com) -->
2  <html>
3
4  <head>
5  |   <link rel="stylesheet" type="text/css" media="all" href="style.css">
6  </head>
7
8  <body>
9  |   <h1>Hello.world </h1>
10 |   <h2>The cake is a lie</h2>
11 </body>
12
13 </html>

```

Изменения в файле hello.html

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git add lib/hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git commit -m "Hello.html uses style.css"
[style 2cada68] Hello.html uses style.css
1 file changed, 2 insertions(+), 2 deletions(-)

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ |

```

Индексация и коммит

```
index.html X
C: > Users > 724 > hello > index.html > html > html
1 <html>
2
3 <head>
4 | <link rel="stylesheet" type="text/css" media="all" href="lib/style.css">
5 </head>
6
7 <body>
8 | <iframe src="lib/hello.html" width="200" height="200"></iframe>
9 </body>
10 </html>
```

Изменения в файле index.html

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git add index.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git commit -m "Update index.html"
[style 11c139e] Update index.html
1 file changed, 4 insertions(+)

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ |
```

Индексация и коммит

Навигация по веткам

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git hist --all
* 11c139e 2025-06-06 | Update index.html (HEAD -> style) [Nalbus Adrian]
* 2cada68 2025-06-06 | Hello.html uses style.css [Nalbus Adrian]
* 1ba004c 2025-06-06 | Added css stylesheet [Nalbus Adrian]
* 7a2d452 2025-06-06 | Added index.html (master) [Nalbus Adrian]
* c442dfc 2025-06-06 | Moved hello.html to lib [Nalbus Adrian]
* d70a372 2025-06-06 | Add an author/email comment [Nalbus Adrian]
* 173d451 2025-05-28 | Add HTML header (tag: ver1) [Nalbus Adrian]
* d80a4b5 2025-05-28 | Add standart HTML tags (tag: ver1-beta) [Nalbus Adrian]
* 8ac6b31 2025-05-28 | Add standart HTML tags [Nalbus Adrian]
* a7a9bcd 2025-05-28 | Added h2 tag [Nalbus Adrian]
* 4ec8911 2025-05-28 | unrelated change for v [Nalbus Adrian]
* 1be46a2 2025-05-28 | Unrelated for v [Nalbus Adrian]
* 52ffeff 2025-05-28 | Changes for a and b [Nalbus Adrian]
* ab22b73 2025-05-28 | Добавлен файл hello.html [Nalbus Adrian]

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ |
```

Просмотр истории

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git checkout master
Switched to branch 'master'

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ cat lib/hello.html
<!-- Author: Adrian Nalbus (adriannalbus@gmail.com) -->
<html>

<head>

</head>

<body>
    <h1>Hello.world </h1>
    <h2>Second line</h2>
</body>

</html>
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Переключение на ветку master

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git checkout style
Switched to branch 'style'

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ cat lib/hello.html
<!-- Author: Adrian Nalbus (adriannalbus@gmail.com) -->
<html>

<head>
    <link rel="stylesheet" type="text/css" media="all" href="style.css" />
</head>

<body>
    <h1>Hello.world </h1>
    <h2>The cake is a lie</h2>
</body>

</html>
724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ |

```

Переключение на ветку style

Изменения в ветке master

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git checkout master
Switched to branch 'master'

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$

```

Переключение на ветку master

```

(i) README  X
C: > Users > 724 > hello > (i) README
1 This is the hello world example from the git tutorial

```

Содержимое файла README

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git add README

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git commit -m "Added README"
[master 8e00c00] Added README
1 file changed, 1 insertion(+)
create mode 100644 README

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Индексация и коммит

Просмотр отличающихся веток

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git hist --all
* 8e00c00 2025-06-06 | Added README (HEAD -> master) [Nalbus Adrian]
| * 11c139e 2025-06-06 | Update index.html (style) [Nalbus Adrian]
| * 2cada68 2025-06-06 | Hello.html uses style.css [Nalbus Adrian]
| * 1ba004c 2025-06-06 | Added css stylesheet [Nalbus Adrian]
|/
* 7a2d452 2025-06-06 | Added index.html [Nalbus Adrian]
* c442dfc 2025-06-06 | Moved hello.html to lib [Nalbus Adrian]
* d70a372 2025-06-06 | Add an author/email comment [Nalbus Adrian]
* 173d451 2025-05-28 | Add HTML header (tag: ver1) [Nalbus Adrian]
* d80a4b5 2025-05-28 | Add standart HTML tags (tag: ver1-beta) [Nalbus Adrian]
* 8ac6b31 2025-05-28 | Add standart HTML tags [Nalbus Adrian]
* a7a9bcd 2025-05-28 | Added h2 tag [Nalbus Adrian]
* 4ec8911 2025-05-28 | unrelated change for v [Nalbus Adrian]
* 1be46a2 2025-05-28 | Unrelated for v [Nalbus Adrian]
* 52ffeff 2025-05-28 | Changes for a and b [Nalbus Adrian]
* ab22b73 2025-05-28 | Добавлен файл hello.html [Nalbus Adrian]

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$

```

Дерево коммитов

Слияние

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git checkout style
Switched to branch 'style'

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git merge master
```

Переключение на ветку style

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git checkout style
Switched to branch 'style'

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git merge master
Merge made by the 'ort' strategy.
 README | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 README

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git merge master
Already up to date.
```

Слияние с веткой master

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git hist --all
* df6bc98 2025-06-06 | Merge branch 'master' into style (HEAD -> style) [Nalbus Adrian]
| \
| * 8e00c00 2025-06-06 | Added README (master) [Nalbus Adrian]
* | 11c139e 2025-06-06 | Update index.html [Nalbus Adrian]
* | 2cada68 2025-06-06 | Hello.html uses style.css [Nalbus Adrian]
* | 1ba004c 2025-06-06 | Added css stylesheet [Nalbus Adrian]
| /
* 7a2d452 2025-06-06 | Added index.html [Nalbus Adrian]
* c442dfc 2025-06-06 | Moved hello.html to lib [Nalbus Adrian]
* d70a372 2025-06-06 | Add an author/email comment [Nalbus Adrian]
* 173d451 2025-05-28 | Add HTML header (tag: ver1) [Nalbus Adrian]
* d80a4b5 2025-05-28 | Add standart HTML tags (tag: ver1-beta) [Nalbus Adrian]
* 8ac6b31 2025-05-28 | Add standart HTML tags [Nalbus Adrian]
* a7a9bcd 2025-05-28 | Added h2 tag [Nalbus Adrian]
* 4ec8911 2025-05-28 | unrelated change for v [Nalbus Adrian]
* 1be46a2 2025-05-28 | Unrelated for v [Nalbus Adrian]
* 52ffeff 2025-05-28 | Changes for a and b [Nalbus Adrian]
* ab22b73 2025-05-28 | Добавлен файл hello.html [Nalbus Adrian]

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$
```

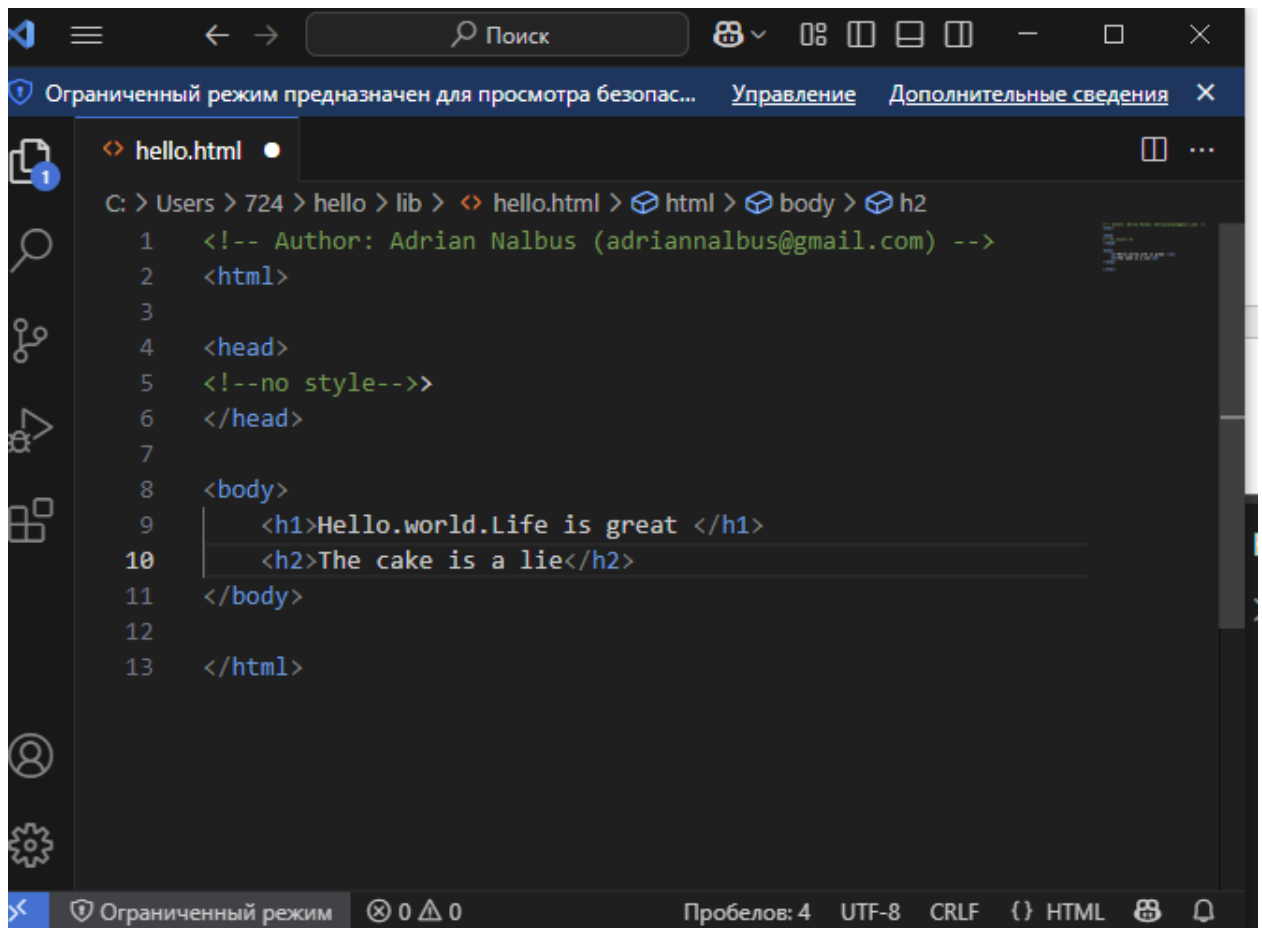
Просмотр истории

Создание конфликта

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git checkout master
Switched to branch 'master'

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$
```

Переход в ветку master



Внесение изменений

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git add lib/hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git commit -m "Life is great!"
[master af982dc] Life is great!
1 file changed, 3 insertions(+), 3 deletions(-)

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$
```

Индексация и коммит

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git hist --all
* af982dc 2025-06-06 | Life is great! (HEAD -> master) [Nalbus Adrian]
| * df6bc98 2025-06-06 | Merge branch 'master' into style (style) [Nalbus Adrian]
| | \
| | /
| | /
| | /
* | 8e00c00 2025-06-06 | Added README [Nalbus Adrian]
| * 11c139e 2025-06-06 | Update index.html [Nalbus Adrian]
| * 2cada68 2025-06-06 | Hello.html uses style.css [Nalbus Adrian]
| * 1ba004c 2025-06-06 | Added css stylesheet [Nalbus Adrian]
| /
* 7a2d452 2025-06-06 | Added index.html [Nalbus Adrian]
* c442dfc 2025-06-06 | Moved hello.html to lib [Nalbus Adrian]
* d70a372 2025-06-06 | Add an author/email comment [Nalbus Adrian]
* 173d451 2025-05-28 | Add HTML header (tag: ver1) [Nalbus Adrian]
* d80a4b5 2025-05-28 | Add standart HTML tags (tag: ver1-beta) [Nalbus Adrian]
* 8ac6b31 2025-05-28 | Add standart HTML tags [Nalbus Adrian]
* a7a9bcd 2025-05-28 | Added h2 tag [Nalbus Adrian]
* 4ec8911 2025-05-28 | unrelated change for v [Nalbus Adrian]
* 1be46a2 2025-05-28 | Unrelated for v [Nalbus Adrian]
* 52ffeff 2025-05-28 | Changes for a and b [Nalbus Adrian]
* ab22b73 2025-05-28 | Добавлен файл hello.html [Nalbus Adrian]

```

Конфликт изменений

Разрешение конфликтов

```

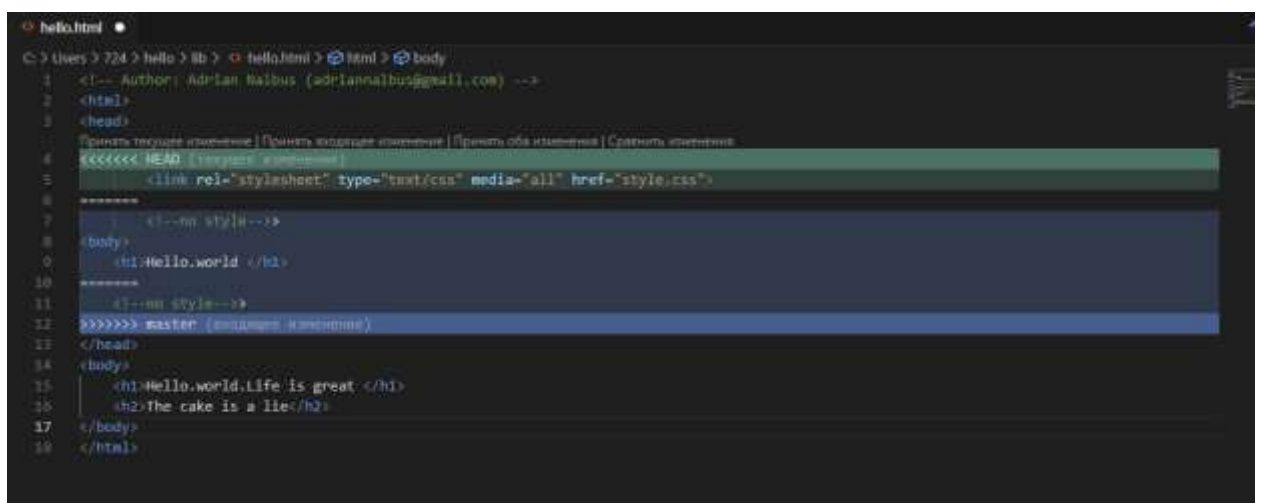
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git checkout style
Switched to branch 'style'

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git merge master
Auto-merging lib/hello.html
CONFLICT (content): Merge conflict in lib/hello.html
Automatic merge failed; fix conflicts and then commit the result.

724@DESKTOP-H6APTSR MINGW64 ~/hello (style|MERGING)
$

```

Ошибка при слиянии



```

hello.html
1 <!-- Author: Adrian Nalbus (adriannalbus@gmail.com) -->
2 <html>
3 <head>
4 <title>Life is great!</title>
5 <link rel="stylesheet" type="text/css" media="all" href="style.css">
6
7 <!-- on style -->
8 <body>
9 <h1>Hello, world.</h1>
10
11 <!-- on style -->
12 <h2>The cake is a lie</h2>
13 </body>
14 </html>

```

Просмотр файла hello.html при наличии конфликта

```
hello.html
C: > Users > 724 > hello > lib > hello.html > html > body
1  <!-- Author: Adrian Nalbus (adriannalbus@gmail.com) -->
2  <html>
3
4  <head>
5  <link rel="stylesheet" type="text/css" media="all" href="style.css">
6  </head>
7  <body>
8      <h1>Hello.world.Life is great </h1>
9      <h2>The cake is a lie</h2>
10 </body>
11 </html>
```

Решение конфликта вручную

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (style|MERGING)
$ git add lib/hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (style|MERGING)
$ git commit -m "Merged master fixed conflict"
[style 8c8d6bb] Merged master fixed conflict

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$
```

Индексация и коммит

Практика номер 5

Налбуш Адриан

Работа с Git

Сброс ветки style

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git checkout style
Already on 'style'

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git hist
* 8c8d6bb 2025-06-06 | Merged master fixed conflict (HEAD -> style) [Nalbus Adrian]
|\
| * af982dc 2025-06-06 | Life is great! (master) [Nalbus Adrian]
* | df6bc98 2025-06-06 | Merge branch 'master' into style [Nalbus Adrian]
|/
| * 8e00c00 2025-06-06 | Added README [Nalbus Adrian]
* | 11c139e 2025-06-06 | Update index.html [Nalbus Adrian]
* | 2cada68 2025-06-06 | Hello.html uses style.css [Nalbus Adrian]
* | 1ba004c 2025-06-06 | Added css stylesheet [Nalbus Adrian]
|/
* 7a2d452 2025-06-06 | Added index.html [Nalbus Adrian]
* c442dfc 2025-06-06 | Moved hello.html to lib [Nalbus Adrian]
* d70a372 2025-06-06 | Add an author/email comment [Nalbus Adrian]
* 173d451 2025-05-28 | Add HTML header (tag: ver1) [Nalbus Adrian]
* d80a4b5 2025-05-28 | Add standart HTML tags (tag: ver1-beta) [Nalbus Adrian]
* 8ac6b31 2025-05-28 | Add standart HTML tags [Nalbus Adrian]
* a7a9bcd 2025-05-28 | Added h2 tag [Nalbus Adrian]
* 4ec8911 2025-05-28 | unrelated change for v [Nalbus Adrian]
* 1be46a2 2025-05-28 | Unrelated for v [Nalbus Adrian]
* 52ffeff 2025-05-28 | Changes for a and b [Nalbus Adrian]
* ab22b73 2025-05-28 | Добавлен файл hello.html [Nalbus Adrian]

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ |
```

Просмотр истории

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git reset --hard 7a2d452
HEAD is now at 7a2d452 Added index.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$
```

Сброс ветки style

Сброс ветки master

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git checkout master
Switched to branch 'master'

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git hist
* af982dc 2025-06-06 | Life is great! (HEAD -> master) [Nalbus Adrian]
* 8e00c00 2025-06-06 | Added README [Nalbus Adrian]
* 7a2d452 2025-06-06 | Added index.html (style) [Nalbus Adrian]
* c442dfc 2025-06-06 | Moved hello.html to lib [Nalbus Adrian]
* d70a372 2025-06-06 | Add an author/email comment [Nalbus Adrian]
* 173d451 2025-05-28 | Add HTML header (tag: ver1) [Nalbus Adrian]
* d80a4b5 2025-05-28 | Add standart HTML tags (tag: ver1-beta) [Nalbus Adrian]
* 8ac6b31 2025-05-28 | Add standart HTML tags [Nalbus Adrian]
* a7a9bcd 2025-05-28 | Added h2 tag [Nalbus Adrian]
* 4ec8911 2025-05-28 | unrelated change for v [Nalbus Adrian]
* 1be46a2 2025-05-28 | Unrelated for v [Nalbus Adrian]
* 52ffeff 2025-05-28 | Changes for a and b [Nalbus Adrian]
* ab22b73 2025-05-28 | Добавлен файл hello.html [Nalbus Adrian]

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ s|
```

Переключение на master и просмотр истории

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git reset --hard af982dc
HEAD is now at af982dc Life is great!

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git hist --all
* af982dc 2025-06-06 | Life is great! (HEAD -> master) [Nalbus Adrian]
* 8e00c00 2025-06-06 | Added README [Nalbus Adrian]
* 7a2d452 2025-06-06 | Added index.html (style) [Nalbus Adrian]
* c442dfc 2025-06-06 | Moved hello.html to lib [Nalbus Adrian]
* d70a372 2025-06-06 | Add an author/email comment [Nalbus Adrian]
* 173d451 2025-05-28 | Add HTML header (tag: ver1) [Nalbus Adrian]
* d80a4b5 2025-05-28 | Add standart HTML tags (tag: ver1-beta) [Nalbus Adrian]
* 8ac6b31 2025-05-28 | Add standart HTML tags [Nalbus Adrian]
* a7a9bcd 2025-05-28 | Added h2 tag [Nalbus Adrian]
* 4ec8911 2025-05-28 | unrelated change for v [Nalbus Adrian]
* 1be46a2 2025-05-28 | Unrelated for v [Nalbus Adrian]
* 52ffeff 2025-05-28 | Changes for a and b [Nalbus Adrian]
* ab22b73 2025-05-28 | Добавлен файл hello.html [Nalbus Adrian]

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ s|
```

Сброс ветки master

Перебазирование

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git checkout style
Switched to branch 'style'

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git rebase master
Successfully rebased and updated refs/heads/style.

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git hist
* af982dc 2025-06-06 | Life is great! (HEAD -> style, master) [Nalbus Adrian]
* 8e00c00 2025-06-06 | Added README [Nalbus Adrian]
* 7a2d452 2025-06-06 | Added index.html [Nalbus Adrian]
* c442dfc 2025-06-06 | Moved hello.html to lib [Nalbus Adrian]
* d70a372 2025-06-06 | Add an author/email comment [Nalbus Adrian]
* 173d451 2025-05-28 | Add HTML header (tag: ver1) [Nalbus Adrian]
* d80a4b5 2025-05-28 | Add standart HTML tags (tag: ver1-beta) [Nalbus Adrian]
* 8ac6b31 2025-05-28 | Add standart HTML tags [Nalbus Adrian]
* a7a9bcd 2025-05-28 | Added h2 tag [Nalbus Adrian]
* 4ec8911 2025-05-28 | unrelated change for v [Nalbus Adrian]
* 1be46a2 2025-05-28 | Unrelated for v [Nalbus Adrian]
* 52ffeff 2025-05-28 | Changes for a and b [Nalbus Adrian]
* ab22b73 2025-05-28 | Добавлен файл hello.html [Nalbus Adrian]

724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ |
```

Перебазирование веток

Слияние в ветку master

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (style)
$ git checkout master
Switched to branch 'master'

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git merge style
Already up to date.

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$
```

Слияние веток

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git hist
* af982dc 2025-06-06 | Life is great! (HEAD -> master, style) [Nalbus Adrian]
* 8e00c00 2025-06-06 | Added README [Nalbus Adrian]
* 7a2d452 2025-06-06 | Added index.html [Nalbus Adrian]
* c442dfc 2025-06-06 | Moved hello.html to lib [Nalbus Adrian]
* d70a372 2025-06-06 | Add an author/email comment [Nalbus Adrian]
* 173d451 2025-05-28 | Add HTML header (tag: ver1) [Nalbus Adrian]
* d80a4b5 2025-05-28 | Add standart HTML tags (tag: ver1-beta) [Nalbus Adrian]
* 8ac6b31 2025-05-28 | Add standart HTML tags [Nalbus Adrian]
* a7a9bcd 2025-05-28 | Added h2 tag [Nalbus Adrian]
* 4ec8911 2025-05-28 | unrelated change for v [Nalbus Adrian]
* 1be46a2 2025-05-28 | Unrelated for v [Nalbus Adrian]
* 52ffeff 2025-05-28 | Changes for a and b [Nalbus Adrian]
* ab22b73 2025-05-28 | Добавлен файл hello.html [Nalbus Adrian]

```

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Просмотр истории

Клонирование репозитория

```

724@DESKTOP-H6APTSR MINGW64 - (master)
$ cd

724@DESKTOP-H6APTSR MINGW64 - (master)
$ pwd
/c:/Users/724

724@DESKTOP-H6APTSR MINGW64 - (master)
$ git clone hello cloned.hello
Cloning into 'cloned.hello'...
done.

724@DESKTOP-H6APTSR MINGW64 - (master)
$ ls
'AO Objects'
AppData/
'Application Data'
Contacts/
Cookbook
Desktop/
Documents/
Downloads/
Favorites/
Intel/
Links/
'Local Settings'
Music/
NTUSER.DAT
NTUSER.DAT{53039e88-18c4-11ea-a811-000f3a4492b}.TM.biff
NTUSER.DAT{53039e88-18c4-11ea-a811-000f3a4492b}.TMContainer000000000000000000
1.regtrans-ms
NTUSER.DAT{53039e88-18c4-11ea-a811-000f3a4492b}.TMContainer000000000000000000
2.regtrans-ms
NetKiosk
OneDrive/
Pictures/
PrintHubs
Recent
'Saved Games'
Searches/
SendTo
Tracing/
Videos/
'OneDrive Files'
wpcl/
cloned.hello/
cloned.hello/
hello/
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.txt
source/
'New documents'
Bafonad
'random user'

```

```

cloned.hello/
hello/

```

Переход в рабочий каталог и его клонирование

Просмотр клонированного репозитория

```
724@DESKTOP-H6APTSR MINGW64 ~ (master)
$ cd cloned.hello

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ ls
README  a.html  b.html  index.html  lib/  v.html

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ |
```

Просмотр содержимого клонированного репозитория

```
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ git hist --all
* af982dc 2025-06-06 | Life is great! (HEAD -> master, origin/style, origin/mast
er, origin/HEAD) [Nalbus Adrian]
* 8e00c00 2025-06-06 | Added README [Nalbus Adrian]
* 7a2d452 2025-06-06 | Added index.html [Nalbus Adrian]
* c442dfc 2025-06-06 | Moved hello.html to lib [Nalbus Adrian]
* d70a372 2025-06-06 | Add an author/email comment [Nalbus Adrian]
* 173d451 2025-05-28 | Add HTML header (tag: ver1) [Nalbus Adrian]
* d80a4b5 2025-05-28 | Add standart HTML tags (tag: ver1-beta) [Nalbus Adrian]
* 8ac6b31 2025-05-28 | Add standart HTML tags [Nalbus Adrian]
* a7a9bcd 2025-05-28 | Added h2 tag [Nalbus Adrian]
* 4ec8911 2025-05-28 | unrelated change for v [Nalbus Adrian]
* 1be46a2 2025-05-28 | Unrelated for v [Nalbus Adrian]
* 52ffeff 2025-05-28 | Changes for a and b [Nalbus Adrian]
* ab22b73 2025-05-28 | Добавлен файл hello.html [Nalbus Adrian]

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ |
```

Просмотр логов клонированного каталога

Origin

```
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ git remote
origin

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ git remote show origin
* remote origin
  Fetch URL: C:/Users/724/hello
  Push URL: C:/Users/724/hello
  HEAD branch: master
  Remote branches:
    master tracked
    style tracked
  Local branch configured for 'git pull':
    master merges with remote master
  Local ref configured for 'git push':
    master pushes to master (up to date)

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$
```

Просмотр данных об origin

Удаленные ветки

```
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ git branch
* master

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ git branch -a
* master
remotes/origin/HEAD -> origin/master
remotes/origin/master
remotes/origin/style

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$
```

Просмотр удаленных веток

Практика номер 6

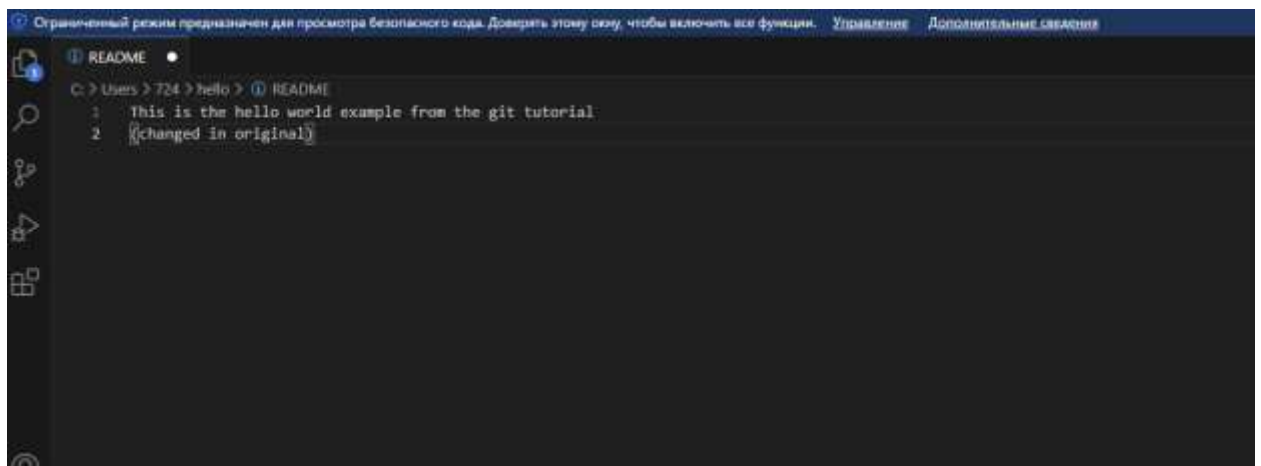
Налбуш Адриан

Работа с Git

```
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ cd ../hello

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$
```

Переход в оригинальный репозиторий



Изменения в файле README

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git add README

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git commit -m "Changed README in original repo"
[master 5aa6ee5] Changed README in original repo
1 file changed, 2 insertions(+), 1 deletion(-)

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Индексация и коммит новых изменений

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ cd ../cloned.hello

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ git fetch
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 339 bytes | 30.00 KiB/s, done.
From C:/Users/724/hello
   af982dc..5aa6ee5  master    -> origin/master

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ |

```

Извлечение изменений

```

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ git hist --all
* 5aa6ee5 2025-06-06 | Changed README in original repo (origin/master, origin/HEAD) [Nalbus Adrian]
* af982dc 2025-06-06 | Life is great! (HEAD -> master, origin/style) [Nalbus Adrian]
* 8e00c00 2025-06-06 | Added README [Nalbus Adrian]
* 7a2d452 2025-06-06 | Added index.html [Nalbus Adrian]
* c442dfc 2025-06-06 | Moved hello.html to lib [Nalbus Adrian]
* d70a372 2025-06-06 | Add an author/email comment [Nalbus Adrian]
* 173d451 2025-05-28 | Add HTML header (tag: ver1) [Nalbus Adrian]
* d80a4b5 2025-05-28 | Add standart HTML tags (tag: ver1-beta) [Nalbus Adrian]
* 8ac6b31 2025-05-28 | Add standart HTML tags [Nalbus Adrian]
* a7a9bcd 2025-05-28 | Added h2 tag [Nalbus Adrian]
* 4ec8911 2025-05-28 | unrelated change for v [Nalbus Adrian]
* 1be46a2 2025-05-28 | Unrelated for v [Nalbus Adrian]
* 52ffeff 2025-05-28 | Changes for a and b [Nalbus Adrian]
* ab22b73 2025-05-28 | Добавлен файл hello.html [Nalbus Adrian]

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ |

```

Просмотр истории

```

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ cat README
This is the hello world example from the git tutorial
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ |

```

Вывод содержимого файла README

```
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ git merge origin/master
Updating af982dc..5aa6ee5
Fast-forward
 README | 3 ++-
 1 file changed, 2 insertions(+), 1 deletion(-)

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$
```

Слияние изменений

```
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ cat README
This is the hello world example from the git tutorial
(changed in original)
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ |
```

Вывод содержимого файла README

```
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ git pull
Already up to date.

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$
```

Команда git pull

```
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ git branch --track style origin/style
branch 'style' set up to track 'origin/style'.

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ git branch -a
* master
  style
remotes/origin/HEAD -> origin/master
remotes/origin/master
remotes/origin/style

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ git hist --max-count=2
* 5aa6ee5 2025-06-06 | Changed README in original repo (HEAD -> master, origin/m
aster, origin/HEAD) [Nalbus Adrian]
* af982dc 2025-06-06 | Life is great! (origin/style, style) [Nalbus Adrian]

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ |
```

Добавление локальной ветки

```

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ cd ..

724@DESKTOP-H6APTSR MINGW64 ~ (master)
$ git clone --bare hello hello.git
Cloning into bare repository 'hello.git'...
done.

724@DESKTOP-H6APTSR MINGW64 ~ (master)
$ ls hello.git
HEAD config description hooks/ info/ objects/ packed-refs refs/

724@DESKTOP-H6APTSR MINGW64 ~ (master)
$ s|

```

Создание чистого репозитория

```

724@DESKTOP-H6APTSR MINGW64 ~ (master)
$ cd hello

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git remote add shared ../hello.git

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Добавление удаленного репозитория

```

① README ●
C: > Users > 724 > hello > ① README
1 This is the hello world example from the git tutorial
2 [changed in the original and pushed to shared]

```

Внесение изменений в файл

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git checkout master
M      README
Already on 'master'

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git add README

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git commit -m "Added shared comment to README"
[master cb2caa4] Added shared comment to README
1 file changed, 1 insertion(+), 1 deletion(-)

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$

```

Индексация и коммит

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git push shared master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 371 bytes | 371.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
To ../hello.git
    5aa6ee5..cb2caa4  master -> master

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Отправка изменений в общий репозиторий

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ cd ../cloned.hello

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$

```

Переход в клонированный репозиторий

```

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ git remote add shared ../hello.git

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ git branch --track shared master
branch 'shared' set up to track 'master'.

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ git pull shared master
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 351 bytes | 87.00 KiB/s, done.
From ../hello
 * branch          master      -> FETCH_HEAD
 * [new branch]    master      -> shared/master
Updating 5aa6ee5..cb2caa4
Fast-forward
 README | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ cat README
This is the hello world example from the git tutorial
(changed in the original and pushed to shared)
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$

```

Команды, извлекающие общие изменения

```

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ git daemon --verbose --export-all --base-path=.
[9016] Ready to rumble

```

Настройка сервера

```
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ git clone /C:/Users/724/hello.git network_hello
Cloning into 'network_hello'...
done.

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello (master)
$ cd network_hello

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello (master)
$ ls
README  a.html  b.html  index.html  lib/  v.html

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello (master)
$
```

Клонирование проекта

Практика номер 7

Налбуш Адриан

Работа с Git

```
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello (master)
$ git clone https://github.com/schacon/ticgit
Cloning into 'ticgit'...
remote: Enumerating objects: 1857, done.
remote: Total 1857 (delta 0), reused 0 (delta 0), pack-reused 1857 (from 1)
Receiving objects: 100% (1857/1857), 334.06 KiB | 1.20 MiB/s, done.
Resolving deltas: 100% (837/837), done.

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello (master)
$ cd ticgit

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ git remote
origin

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$
```

Клонирование репозитория и просмотр удаленных репозитория

```
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ git remote -v
origin https://github.com/schacon/ticgit (fetch)
origin https://github.com/schacon/ticgit (push)

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$
```

Просмотр удаленных репозитория с ключом -v

```

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ git remote add pb https://github.com/paulboone/ticgit

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ git remoe -v
git: 'remoe' is not a git command. See 'git --help'.

The most similar command is
    remote

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ git remote -v
origin https://github.com/schacon/ticgit (fetch)
origin https://github.com/schacon/ticgit (push)
pb      https://github.com/paulboone/ticgit (fetch)
pb      https://github.com/paulboone/ticgit (push)

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$

```

Добавление удаленного репозитория

```

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ git fetch pb
remote: Enumerating objects: 43, done.
remote: Counting objects: 100% (22/22), done.
remote: Total 43 (delta 22), reused 22 (delta 22), pack-reused 21 (from 1)
Unpacking objects: 100% (43/43), 5.99 KiB | 122.00 KiB/s, done.
From https://github.com/paulboone/ticgit
 * [new branch]      master    -> pb/master
 * [new branch]      ticgit    -> pb/ticgit

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$

```

Использование имени вместо пути

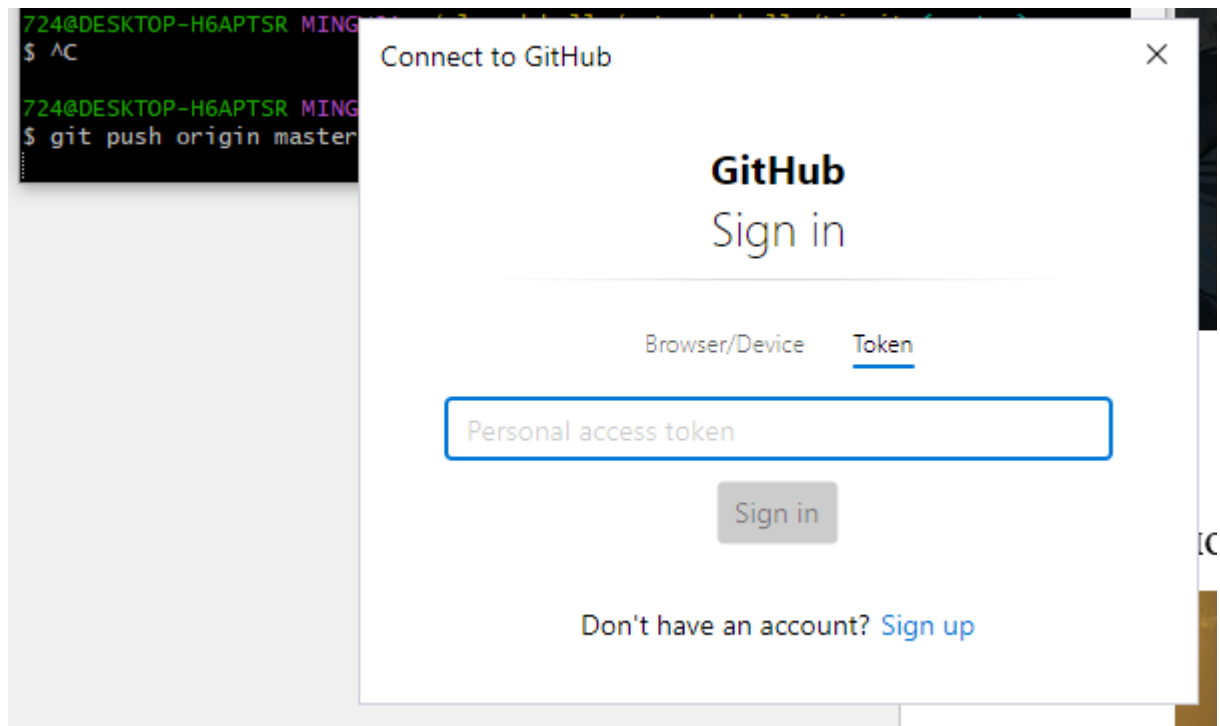
```

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ git fetch /c/Users/724/cloned.hello
remote: Enumerating objects: 45, done.
remote: Counting objects: 100% (45/45), done.
remote: Compressing objects: 100% (38/38), done.
remote: Total 45 (delta 15), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (45/45), 4.09 KiB | 40.00 KiB/s, done.
From C:/Users/724/cloned.hello
 * branch            HEAD      -> FETCH_HEAD

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$

```

Получение данных из удаленных проектов



Отправка изменений в удаленный репозиторий

```
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ git remote show origin
* remote origin
  Fetch URL: https://github.com/schacon/ticgit
  Push URL: https://github.com/schacon/ticgit
  HEAD branch: master
  Remote branches:
    master tracked
    ticgit tracked
  Local branch configured for 'git pull':
    master merges with remote master
  Local ref configured for 'git push':
    master pushes to master (up to date)

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$
```

Информация об удаленном репозитории

```
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ git remote rename pb paul
Renaming remote references: 100% (4/4), done.

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ git remote
origin
paul

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ |
```

Переименование удаленного репозитория


```
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ git remote remove paul
```

```
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ git remote
origin
```

Удаление удаленного репозитория

```
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ git tag
ver1
ver1-beta
ver2

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ S
```

Просмотр тегов

```
724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ git tag -a v2.1 -m "My version 2.1"

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ git tag
v2.1
v2/1
ver1
ver1-beta
ver2

724@DESKTOP-H6APTSR MINGW64 ~/cloned.hello/network_hello/ticgit (master)
$ |
```

Создание аннотированной метки

[illegible]

Просмотр данных тега

```

724@DESKTOP-H6APTSR MINGW64 ~ (master)
$ cd hello

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git tag v2.1-lw

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git tag
v2.1-lw
ver1
ver1-beta

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Создание легковесной метки

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git show v2.1-lw
commit cb2caa4ae54a3f96eb9836d5903e1c27fe8f85cd (HEAD -> master, tag: v2.1-lw, s
hared/master)
Author: Nalbus Adrian <adriannalbus@gmail.com>
Date:   Fri Jun 6 13:23:58 2025 +0300

    Added shared comment to README

diff --git a/README b/README
index aacc846..e2c93b7 100644
--- a/README
+++ b/README
@@ -1,2 +1,2 @@
- This is the hello world example from the git tutorial
-(changed in original)
\ No newline at end of file
+(changed in the original and pushed to shared)
\ No newline at end of file

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$

```

Просмотр данных тега

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git log --pretty=oneline
cb2caa4ae54a3f96eb9836d5903e1c27fe8f85cd (HEAD -> master, tag: v2.1-lw, shared/m
aster) Added shared comment to README
5aa6ee523ff793de569103d8c016ddc701b939bd Changed README in original repo
af982dc6a8ad6d64fab83e5062ac5c64bdc4ad23 (style) Life is great!
8e00c004de1309d83d31a05596e3aeb55599a047 Added README
7a2d4527052645509a393deac072b5204c38a264 Added index.html
c442dfcc265c8705d9ede156c89738338d779678 Moved hello.html to lib
d70a37205a1115f8877afb5da74bab183313f8db Add an author/email comment
173d451acc0a16843295477813f800c1c14b844c (tag: ver1) Add HTML header
d80a4b5d206f2fbd18e2b11090252dc5c1968c29 (tag: ver1-beta) Add standart HTML tags
8ac6b31f534f09a79a35a579073391a0f000bb6b Add standart HTML tags
a7a9bcd9fc59b8ebca47b6d9cf85301f5ae3c6e8 Added h2 tag
4ec8911f80140fb2d18266307e164ed8d3e7220b unrelated change for v
1be46a2f90af03df9385937c55e6452d9b88ce47 Unrelated for v
52ffeff5efef665fcba8e11959d8a5690ccf6b80 Changes for a and b
ab22b73148f02cdf0da5876d504b3d48bad414d2 Добавлен файл hello.html

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$

```

Просмотр истории

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git tag -a ver3 5aa6ee523ff
hint: Waiting for your editor to close the file...

```

Создание тега определенному коммиту

```

C: > Users > 724 > hello > .git > TAG_EDITMSG

1 Tag message1
2 #
3 # Write a message for tag:
4 # ver3
5 # Lines starting with '#' will be ignored.
6

```

Ввод сообщения в текстовом редакторе

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git show ver3
tag ver3
Tagger: Nalbus Adrian <adriannalbus@gmail.com>
Date:   Fri Jun 6 15:55:24 2025 +0300

Tag message1

commit 5aa6ee523ff793de569103d8c016ddc701b939bd (tag: ver3)
Author: Nalbus Adrian <adriannalbus@gmail.com>
Date:   Fri Jun 6 13:18:32 2025 +0300

    Changed README in original repo

diff --git a/README b/README
index c8819f4..aacc846 100644
--- a/README
+++ b/README
@@ -1,2 @@
-This is the hello world example from the git tutorial
\ No newline at end of file
+This is the hello world example from the git tutorial
+(changed in original)
\ No newline at end of file

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Просмотр данных тега

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git push shared v2.1-lw
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To ../hello.git
 * [new tag]          v2.1-lw -> v2.1-lw

```

Отправка тега на удаленный сервер

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git push shared --tags
Enumerating objects: 1, done.
Counting objects: 100% (1/1), done.
Writing objects: 100% (1/1), 167 bytes | 167.00 KiB/s, done.
Total 1 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To ../hello.git
 * [new tag]          ver3 -> ver3

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Отправка всех тегов на сервер

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git tag -d v2.1-lw
Deleted tag 'v2.1-lw' (was cb2caa4)

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |

```

Удаление тега

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git push shared :refs/tags/v2.1-lw
To ../hello.git
- [deleted]          v2.1-lw

724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ |
```

Удаление тегов с сервера

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (v2.1)
$ git checkout v2.1
Already on 'v2.1'
```

Переключение на метку

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (master)
$ git checkout -b v2.1
Switched to a new branch 'v2.1'
```

Создание новой ветки

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (v2.1)
$ git config --global alias.co checkout

724@DESKTOP-H6APTSR MINGW64 ~/hello (v2.1)
$ git config --global alias.br branch

724@DESKTOP-H6APTSR MINGW64 ~/hello (v2.1)
$ git config --global alias.ci commit

724@DESKTOP-H6APTSR MINGW64 ~/hello (v2.1)
$ git config --global alias.st status

724@DESKTOP-H6APTSR MINGW64 ~/hello (v2.1)
$ |
```

Задание алиасов

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (v2.1)
$ git config --global alias.unstage 'reset HEAD --'

724@DESKTOP-H6APTSR MINGW64 ~/hello (v2.1)
$ |
```

Создание псевдонима исключения файла из индекса

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (v2.1)
$ git unstage fileA

724@DESKTOP-H6APTSR MINGW64 ~/hello (v2.1)
$ git reset HEAD -- fileA

724@DESKTOP-H6APTSR MINGW64 ~/hello (v2.1)
$ |
```

Использование созданного псевдонима

```
724@DESKTOP-H6APTSR MINGW64 ~/hello (v2.1)
$ git config --global alias.last 'log -1 HEAD'
```

Создание алиаса для просмотра последнего коммита

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (v2.1)
$ git last
commit cb2caa4ae54a3f96eb9836d5903e1c27fe8f85cd (HEAD -> v2.1, shared/v2.1, shared/master, master)
Author: Nalbus Adrian <adrianna1bus@gmail.com>
Date:   Fri Jun 6 13:23:58 2025 +0300

    Added shared comment to README

724@DESKTOP-H6APTSR MINGW64 ~/hello (v2.1)
$ |

```

Результат работы созданного алиаса

```

724@DESKTOP-H6APTSR MINGW64 ~/hello (v2.1)
$ git config --global alias.visua '!gitk'

724@DESKTOP-H6APTSR MINGW64 ~/hello (v2.1)
$ |

```

Создание псевдонима внешней команды

Практика номер 8

Налбуш Адриан

Работа с Git

```

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (v2.1)
$ git add README test.rb LICENSE

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (v2.1)
$ git commit -m 'Initial commit of my project'
error: pathspec 'commit' did not match any file(s) known to git
error: pathspec 'of' did not match any file(s) known to git
error: pathspec 'my' did not match any file(s) known to git
error: pathspec 'project' did not match any file(s) known to git

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (v2.1)
$ ^C

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (v2.1)
$ git commit -m 'Initial commit of my project'
[v2.1 94ce568] Initial commit of my project
3 files changed, 2 deletions(-)
create mode 100644 LICENSE
create mode 100644 test.rb

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (v2.1)
$ |

```

Индексация и коммит 3 файлов

```

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (v2.1)
$ git branch testing

```

Создание ветки testing

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (v2.1)
$ git checkout testing
D      a.html
D      b.html
D      index.html
D      lib/hello.html
D      v.html
Switched to branch 'testing'
```

Переключение на ветку testing

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (testing)
$ git commit -m 'New changes'
[testing f51dc6b] New changes
5 files changed, 22 deletions(-)
delete mode 100644 a.html
delete mode 100644 b.html
delete mode 100644 index.html
delete mode 100644 lib/hello.html
delete mode 100644 v.html

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (testing)
$ git commit -m 'New changes'
On branch testing
nothing to commit, working tree clean
```

Индексация и коммит файла test.rb

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (testing)
$ git checkout master
Switched to branch 'master'
```

Переключение на ветку master

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git add test.rb

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git commit -a -m 'Another changes'
[master c073ed7] Another changes
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 test.rb

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$
```

Еще индексация и коммит test.rb

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git checkout -b iss53
Switched to a new branch 'iss53'

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (iss53)
$
```

Создание и переключение на ветку iss53

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (iss53)
$ git add index.html

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (iss53)
$ git commit -m 'Added html'
On branch iss53
nothing to commit, working tree clean
```

Индексация и коммит файла index.html

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (iss53)
$ git checkout master
Switched to branch 'master'
```

Переключение на ветку master

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git add index.html

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git commit -a -m 'Fixed the broken email adress'
On branch master
nothing to commit, working tree clean
```

Индексация и коммит index.html на ветке hotfix

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (hotfix)
$ git checkout master
Switched to branch 'master'

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git merge hotfix
Already up to date.
```

Переключение на ветку master и объединение с веткой hotfix

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git branch -d hotfix
Deleted branch hotfix (was c073ed7).
```

Удаление ветки hotfix

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git commit -a -m 'Finished the new footer'
On branch master
nothing to commit, working tree clean
```

Индексация и коммит index.html на ветке iss53

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git checkout master
Already on 'master'

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git merge iss53
Already up to date.
```


Слияние веток

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git branch -d iss53
Deleted branch iss53 (was c073ed7).

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$
```

Удаление ветки iss53

Практика номер 8

Налбуш Адриан

Работа с Git

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (v2.1)
$ git add README test.rb LICENSE

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (v2.1)
$ git commit -m 'Initial commit of my project'
error: pathspec 'commit' did not match any file(s) known to git
error: pathspec 'of' did not match any file(s) known to git
error: pathspec 'my' did not match any file(s) known to git
error: pathspec 'project' did not match any file(s) known to git

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (v2.1)
$ ^C

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (v2.1)
$ git commit -m 'Initial commit of my project'
[v2.1 94ce568] Initial commit of my project
3 files changed, 2 deletions(-)
create mode 100644 LICENSE
create mode 100644 test.rb

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (v2.1)
$ |
```

Индексация и коммит 3 файлов

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (v2.1)
$ git branch testing
```

Создание ветки testing

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (v2.1)
$ git checkout testing
D      a.html
D      b.html
D      index.html
D      lib/hello.html
D      v.html
Switched to branch 'testing'
```

Переключение на ветку testing

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (testing)
$ git commit -m 'New changes'
[testing f51dc6b] New changes
5 files changed, 22 deletions(-)
delete mode 100644 a.html
delete mode 100644 b.html
delete mode 100644 index.html
delete mode 100644 lib/hello.html
delete mode 100644 v.html

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (testing)
$ git commit -m 'New changes'
On branch testing
nothing to commit, working tree clean
```

Индексация и коммит файла test.rb

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (testing)
$ git checkout master
Switched to branch 'master'
```

Переключение на ветку master

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git add test.rb

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git commit -a -m 'Another changes'
[master c073ed7] Another changes
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 test.rb

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$
```

Еще индексация и коммит test.rb

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git checkout -b iss53
Switched to a new branch 'iss53'

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (iss53)
$
```

Создание и переключение на ветку iss53

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (iss53)
$ git add index.html

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (iss53)
$ git commit -m 'Added html'
On branch iss53
nothing to commit, working tree clean
```

Индексация и коммит файла index.html

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (iss53)
$ git checkout master
Switched to branch 'master'
```

Переключение на ветку master

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git add index.html

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git commit -a -m 'Fixed the broken email adress'
On branch master
nothing to commit, working tree clean
```

Индексация и коммит index.html на ветке hotfix

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (hotfix)
$ git checkout master
Switched to branch 'master'

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git merge hotfix
Already up to date.
```

Переключение на ветку master и объединение с веткой hotfix

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git branch -d hotfix
Deleted branch hotfix (was c073ed7).
```

Удаление ветки hotfix

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git commit -a -m 'Finished the new footer'
On branch master
nothing to commit, working tree clean
```

Индексация и коммит index.html на ветке iss53

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git checkout master
Already on 'master'

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git merge iss53
Already up to date.
```

Слияние веток

```
724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$ git branch -d iss53
Deleted branch iss53 (was c073ed7).

724@DESKTOP-H6APTSR MINGW64 ~/hello_two (master)
$
```

Удаление ветки iss53