

## Вср 2.1

### Инициализация GIT

```
C:\Windows\System32>cd C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo  
C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git init  
Initialized empty Git repository in C:/Users/diamo/OneDrive/Документы/практика 2 курс/вср 2.1/demo_repo/.git/
```

### Проверка статуса

```
C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git status  
On branch master  
  
No commits yet  
  
nothing to commit (create/copy files and use "git add" to track)
```

### Создание файла, изменение его и проверка статуса

```
C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>NUL>readme.txt  
"NUL" не является внутренней или внешней  
командой, исполняемой программой или пакетным файлом.  
  
C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>notepad readme.txt  
  
C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git status  
On branch master  
  
No commits yet  
  
Untracked files:  
  (use "git add <file>..." to include in what will be committed)  
       readme.txt  
  
nothing added to commit but untracked files present (use "git add" to track)
```

### Отслеживание файла и добавление коммита

```
C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git add readme.txt  
  
C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git status  
On branch master  
  
No commits yet  
  
Changes to be committed:  
  (use "git rm --cached <file>..." to unstage)  
       new file:   readme.txt  
  
C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git commit -m "first file"  
[master (root-commit) 3d9ce97] first file  
 1 file changed, 0 insertions(+), 0 deletions(-)  
 create mode 100644 readme.txt  
  
C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>
```

### Изменение файла и проверка отслеживания

```
C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>notepad readme.txt

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>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:   readme.txt

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

Добавление двух новых файлов и проверка их статуса

```
C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   readme.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        readme after.txt
        readme now.txt

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git add "*.txt"

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   readme after.txt
        new file:   readme now.txt
        modified:   readme.txt
```

Создание коммита

```
C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git commit -m "all files"
[master 5ef26b4] all files
3 files changed, 1 insertion(+)
create mode 100644 readme after.txt
create mode 100644 readme now.txt
```

Просмотр истории коммитов

```

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git commit -m "all files"
[master 5ef26b4] all files
 3 files changed, 1 insertion(+)
 create mode 100644 readme after.txt
 create mode 100644 readme now.txt

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git log
commit 5ef26b4d6578e0d22a390c94430433cf2c17650e (HEAD -> master)
Author: morozovvaa <morozovvvn@gmail.com>
Date: Thu Sep 28 00:34:50 2023 +0300

    all files

commit 3d9ce976aee08cea1b8cf34e64cb61dd87a3a156
Author: morozovvaa <morozovvvn@gmail.com>
Date: Thu Sep 28 00:23:25 2023 +0300

    first file

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git log --summary
commit 5ef26b4d6578e0d22a390c94430433cf2c17650e (HEAD -> master)
Author: morozovvaa <morozovvvn@gmail.com>
Date: Thu Sep 28 00:34:50 2023 +0300

    all files

    create mode 100644 readme after.txt
    create mode 100644 readme now.txt

commit 3d9ce976aee08cea1b8cf34e64cb61dd87a3a156
Author: morozovvaa <morozovvvn@gmail.com>
Date: Thu Sep 28 00:23:25 2023 +0300

    first file

    create mode 100644 readme.txt

```

## Создание удаленного репозитория и выгрузка файлов в него

```

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git remote add origin https://github.com/morozovvaa/demo_repo

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git push -u origin master
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (6/6), 459 bytes | 229.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/morozovvaa/demo_repo
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.

```

## Загрузка изменений с удаленного репозитория

```

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git pull origin master
From https://github.com/morozovvaa/demo_repo
 * branch            master      -> FETCH_HEAD
Already up to date.

```

## Изменение и просмотр их

```

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>notepad readme.txt

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git diff HEAD
diff --git a/readme.txt b/readme.txt
index 945c9b4..90a1d60 100644
--- a/readme.txt
+++ b/readme.txt
@@ -1,1 @@
-
\ No newline at end of file
+...
\ No newline at end of file

```

## Создание каталога и просмотр статуса

```

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>mkdir folder

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>NUL>folder\bye.txt
"NUL" не является внутренней или внешней
командой, исполняемой программой или пакетным файлом.

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git status
On branch master
Your branch is up to date with 'origin/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:   readme.txt

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

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

```

## Отслеживание каталога и просмотр отличий

```

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git add folder\bye.txt

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git diff --staged
diff --git a/folder/bye.txt b/folder/bye.txt
new file mode 100644
index 0000000..e69de29

```

## Удаление файла из staging area

```

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git reset folder\bye.txt
Unstaged changes after reset:
M       readme.txt

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git diff --staged

```

## Убираем изменения файла

```

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git checkout -- readme.txt

```

## Работа с ветками

```

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git branch clean_up

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git branch
clean_up
* master

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git checkout clean_up
Switched to branch 'clean_up'

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git branch
* clean_up
master

```

## Удаление каталога и файлов и создание коммита

```

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>rd /s /q folder

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git commit -m "deleted folder"
On branch clean_up
nothing to commit, working tree clean

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>del "readme now.txt"

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>del "readme after.txt"

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git status
On branch clean_up
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    readme after.txt
        deleted:    readme now.txt

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

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git commit -m "deleted folder and files"
On branch clean_up
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    readme after.txt
        deleted:    readme now.txt

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

```

## Изменение ветки и слияние

```

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git checkout master
Switched to branch 'master'
D      readme after.txt
D      readme now.txt
Your branch is up to date with 'origin/master'.

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git merge clean_up
Already up to date.

```

## Удаление ветки

```

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git branch -d clean_up
Deleted branch clean_up (was 5ef26b4).

```

## Выгрузка последних изменений

```

C:\Users\diamo\OneDrive\Документы\практика 2 курс\вср 2.1\demo_repo>git push
Everything up-to-date

```