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Технический Университет Молдовы Департамент Программной  
Инженерии и Автоматики

# ОТЧЕТ

Лабораторная работа №1

По предмету: **Программирование в сети**

**Тема:** Interacțiunea cu sistemul de control al versiunilor Git.  
Utilizarea hostingului de repozitorii Github.

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Проверил:

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## Переключение на мастер-ветку

```
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

Пользователь@DESKTOP-II30LFB MINGW64 /d/IDWeb/Lab1 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
```

## Создание ветки:

```
$ git checkout -b Js
fatal: a branch named 'Js' already exists
```

## Создание ветки для Ruby и добавление в неё файлов

```
Пользователь@DESKTOP-II30LFB MINGW64 /d/IDWeb/Lab1 (master)
$ git checkout -b Ruby
Switched to a new branch 'Ruby'

Пользователь@DESKTOP-II30LFB MINGW64 /d/IDWeb/Lab1 (Ruby)
$ git checkout \Ruby
Already on 'Ruby'

Пользователь@DESKTOP-II30LFB MINGW64 /d/IDWeb/Lab1 (Ruby)
$ git add .
```

## Загрузка в ветку RUBY

```
Пользователь@DESKTOP-II30LFB MINGW64 /d/IDWeb/Lab1 (Ruby)
$ git commit -m "Ruby"
[Ruby 16be187] Ruby
1 file changed, 1 insertion(+)
create mode 100644 Lab1/index.rb

Пользователь@DESKTOP-II30LFB MINGW64 /d/IDWeb/Lab1 (Ruby)
$ git push origin Ruby
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 328 bytes | 328.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'Ruby' on GitHub by visiting:
remote:   https://github.com/YumeGit/PR/pull/new/Ruby
remote:
To https://github.com/YumeGit/PR.git
* [new branch]      Ruby -> Ruby
```

Созданные на GitHub ветки

Branches		
<div>OverviewYoursActiveStaleAll</div>		
<div>Search branches...</div>		
Branch	Updated	Check status
<div>C</div>	<div>2 minutes ago</div>	
<div>CSS</div>	<div>3 minutes ago</div>	
<div>HTML</div>	<div>8 minutes ago</div>	
<div>C++</div>	<div>10 minutes ago</div>	
<div>Java</div>	<div>15 minutes ago</div>	
<div>Swift</div>	<div>22 minutes ago</div>	
<div>Ruby</div>	<div>12 hours ago</div>	
<div>PHP</div>	<div>yesterday</div>	
<div>Python</div>	<div>yesterday</div>	
<div>JS</div>	<div>yesterday</div>	

SHA-1

```
Пользователь@DESKTOP-II30LFB MINGW64 /d/IDWeb (master)
$ git push origin master
Enumerating objects: 34, done.
Counting objects: 100% (34/34), done.
Delta compression using up to 16 threads
Compressing objects: 100% (11/11), done.
Writing objects: 100% (16/16), 2.12 KiB | 1.06 MiB/s, done.
Total 16 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), done.
To https://github.com/YumeGit/PR.git
 f2daca1..b5fcb1c master -> master

Пользователь@DESKTOP-II30LFB MINGW64 /d/IDWeb (master)
$ git for-each-ref --format "%(refname:short) : HEAD SHA-1 %(objectname)"
C : HEAD SHA-1 d84b2957c6df382d07d40405b7af0c9ccd9768c5
C++ : HEAD SHA-1 f6f062823ee9272d13e8f99b895476eb4c55f4e3
CSS : HEAD SHA-1 1a030f97e18a484ada3ebcbea1161208e41acc16
HTML : HEAD SHA-1 91b6568ec2c7f704fe0cff533fec8a7e179d7a24
JAVA : HEAD SHA-1 993ac43c1a0f42f6e0437e7c5301013634dec700
JS : HEAD SHA-1 1b32e229db6bbe707119832bb75145d6bd70c4ad
PHP : HEAD SHA-1 b698c3d6a7b4f9ec2e5340cb92b64ced34fd6f96
PYTHON : HEAD SHA-1 e8e24a40335133846f485220fec987bb9b94e455
RUBY : HEAD SHA-1 cfe676f1f76be11cfa79c8c2a720091e651371cb
SWIFT : HEAD SHA-1 8cdb2816e878bb84be117b4f0d12bc58bacf3b17
master : HEAD SHA-1 b5fcb1c0b7b5b2c6ec1a68e0c940b381e2a7b7a6
origin/C : HEAD SHA-1 d84b2957c6df382d07d40405b7af0c9ccd9768c5
origin/C++ : HEAD SHA-1 f6f062823ee9272d13e8f99b895476eb4c55f4e3
origin/CSS : HEAD SHA-1 1a030f97e18a484ada3ebcbea1161208e41acc16
origin/HTML : HEAD SHA-1 91b6568ec2c7f704fe0cff533fec8a7e179d7a24
origin/JAVA : HEAD SHA-1 993ac43c1a0f42f6e0437e7c5301013634dec700
origin/JS : HEAD SHA-1 1b32e229db6bbe707119832bb75145d6bd70c4ad
origin/PHP : HEAD SHA-1 b698c3d6a7b4f9ec2e5340cb92b64ced34fd6f96
origin/PYTHON : HEAD SHA-1 e8e24a40335133846f485220fec987bb9b94e455
origin/RUBY : HEAD SHA-1 cfe676f1f76be11cfa79c8c2a720091e651371cb
origin/SWIFT : HEAD SHA-1 8cdb2816e878bb84be117b4f0d12bc58bacf3b17
origin/master : HEAD SHA-1 b5fcb1c0b7b5b2c6ec1a68e0c940b381e2a7b7a6
```

sha-1-heads.txt – Блокнот

ФайлПравкаФорматВидСправка

```
C : HEAD SHA-1 d84b2957c6df382d07d40405b7af0c9ccd9768c5
C++ : HEAD SHA-1 f6f062823ee9272d13e8f99b895476eb4c55f4e3
CSS : HEAD SHA-1 1a030f97e18a484ada3ebcbea1161208e41acc16
HTML : HEAD SHA-1 91b6568ec2c7f704fe0cff533fec8a7e179d7a24
JAVA : HEAD SHA-1 993ac43c1a0f42f6e0437e7c5301013634dec700
JS : HEAD SHA-1 1b32e229db6bbe707119832bb75145d6bd70c4ad
PHP : HEAD SHA-1 b698c3d6a7b4f9ec2e5340cb92b64ced34fd6f96
PYTHON : HEAD SHA-1 e8e24a40335133846f485220fec987bb9b94e455
RUBY : HEAD SHA-1 cfe676f1f76be11cfa79c8c2a720091e651371cb
SWIFT : HEAD SHA-1 8cdb2816e878bb84be117b4f0d12bc58bacf3b17
master : HEAD SHA-1 2cd747840b912d8e176c4f0fd0c88aaa5d3538b4
origin/C : HEAD SHA-1 d84b2957c6df382d07d40405b7af0c9ccd9768c5
origin/C++ : HEAD SHA-1 f6f062823ee9272d13e8f99b895476eb4c55f4e3
origin/CSS : HEAD SHA-1 1a030f97e18a484ada3ebcbea1161208e41acc16
origin/HTML : HEAD SHA-1 91b6568ec2c7f704fe0cff533fec8a7e179d7a24
origin/JAVA : HEAD SHA-1 993ac43c1a0f42f6e0437e7c5301013634dec700
origin/JS : HEAD SHA-1 1b32e229db6bbe707119832bb75145d6bd70c4ad
origin/PHP : HEAD SHA-1 b698c3d6a7b4f9ec2e5340cb92b64ced34fd6f96
origin/PYTHON : HEAD SHA-1 e8e24a40335133846f485220fec987bb9b94e455
origin/RUBY : HEAD SHA-1 cfe676f1f76be11cfa79c8c2a720091e651371cb
origin/SWIFT : HEAD SHA-1 8cdb2816e878bb84be117b4f0d12bc58bacf3b17
origin/master : HEAD SHA-1 f2daca131116713beead76efb148df218bc18e9
```

Стр 1, стр 61100%Windows (CRLF)UTF-8

## Создание FINAL.txt

```
Пользователь@DESKTOP-II30LFB MINGW64 /d/IDWeb (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  Lab1/FINAL.txt

nothing added to commit but untracked files present (use "git add" to track)

Пользователь@DESKTOP-II30LFB MINGW64 /d/IDWeb (master)
$ git add .

Пользователь@DESKTOP-II30LFB MINGW64 /d/IDWeb (master)
$ git commit -m "FINAL.txt"
[master 6f2fddd] FINAL.txt
1 file changed, 1 insertion(+)
create mode 100644 Lab1/FINAL.txt

Пользователь@DESKTOP-II30LFB MINGW64 /d/IDWeb (master)
$ git push origin master
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 373 bytes | 373.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/YumeGit/PR.git
   b5fcb1c..6f2fddd master -> master

Пользователь@DESKTOP-II30LFB MINGW64 /d/IDWeb (master)
$ |
```

Ссылка на [GitHub](https://github.com/YumeGit/PR.git)

Вывод: В ходе лабораторной работы были освоены основные команды Git для управления.

Были выполнены следующие задачи:

Создание локального репозитория Git.

Добавление файлов в репозиторий.

Создание и переключение между ветками.

Внесение изменений в файлы в разных ветках.

Отправка (push) изменений в удаленный репозиторий на GitHub.