Лабораторная работа 1

Работа с git

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Содержание
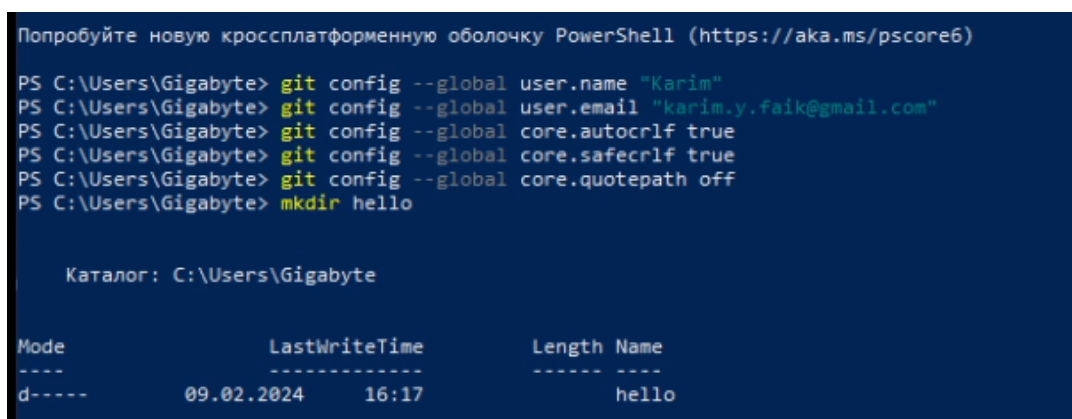
Цель работы

Ознакомление с системой ГИТ И МАРКДАУН

Выполнение лабораторной работы

1. Установка имени и электронной почты (рис. 1)
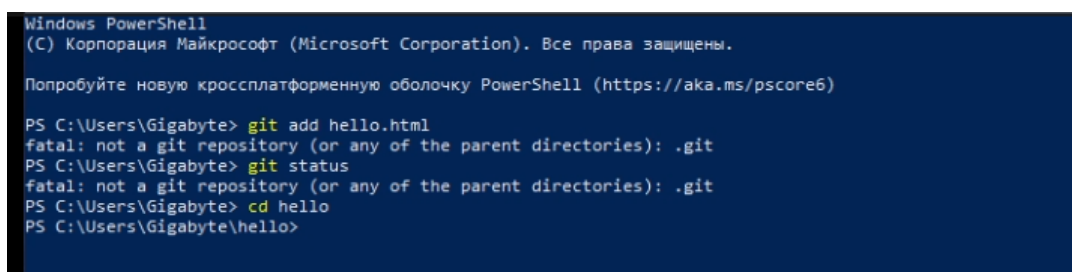
Рис. 1: Пункт 1

2. Добавление файла в репозиторий (рис. 2)

Рис. 2: Пункт 2

3. Получение старых версий

```
PS C:\Users\Gigabyte\hello> git checkout c3a78f9
Note: switching to 'c3a78f9'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

  git switch -c <new-branch-name>

Or undo this operation with:

  git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at c3a78f9 Initial Commit
PS C:\Users\Gigabyte\hello> cat hello.html
Hello, World!
PS C:\Users\Gigabyte\hello> git checkout master
Previous HEAD position was c3a78f9 Initial Commit
Switched to branch 'master'
PS C:\Users\Gigabyte\hello> cat hello.html
<html>
<head>
</head>
<body>
<h1>Hello, World!</h1>
</body>
</html>
PS C:\Users\Gigabyte\hello> git tag v1
PS C:\Users\Gigabyte\hello> git checkout v1^
Note: switching to 'v1^'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

  git switch -c <new-branch-name>

Or undo this operation with:

  git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at 4eecb33 Added standard HTML page tags
PS C:\Users\Gigabyte\hello> cat hello.html
<html>
<body>
<h1>Hello, World!</h1>
</body>
</html>
PS C:\Users\Gigabyte\hello> git tag v1-beta
PS C:\Users\Gigabyte\hello> git checkout v1
```

Рис. 3: Пункт 3

4. Просмотр тегов с помощью команды tag (рис. 4)

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Рис. 4: Пункт 4

5. Просмотрите текущие ветки (рис. 5)

```
PS C:\Users\Gigabyte\hello> git log --graph --all
*   commit ad5c6c9e925426824bc1af60f29379fae6941791 (HEAD -> style)
|\  Merge: 1834fd7 fe09650
| | Author: Karim <karim.y.faik@gmail.com>
| | Date:   Fri Feb 9 17:15:17 2024 +0300
| |
| |     Merge branch 'master' into style
| |
| * commit fe096506a7d4ace8009b1ad3b2d234648dd79cc7 (master)
| | Author: Karim <karim.y.faik@gmail.com>
| | Date:   Fri Feb 9 17:15:05 2024 +0300
| |
| |     Added README
| |
* | commit 1834fd71bfe243fa23174f79f2b213cde03d481c
| | Author: Karim <karim.y.faik@gmail.com>
| | Date:   Fri Feb 9 17:14:22 2024 +0300
| |
| |     Updated index.html
| |
* | commit 0f2364917e0ec6ff1d79b3c377231a178d272225
| | Author: Karim <karim.y.faik@gmail.com>
| | Date:   Fri Feb 9 17:13:49 2024 +0300
| |
| |     Hello uses style.css
| |
* | commit ce637b2359ef58213a920ac9187a3f021e2e863e
|/  Author: Karim <karim.y.faik@gmail.com>
|   Date:   Fri Feb 9 17:12:58 2024 +0300
|
|       Added css stylesheet
|
* commit c747b3c3a5f2869a964e87cd7e61dcf0b418908b
| Author: Karim <karim.y.faik@gmail.com>
| Date:   Fri Feb 9 17:02:38 2024 +0300
|
|     Added index.html.
|
* commit 6b12759b2ac33c2e3a34ab774e3ccf4da789ac35
| Author: Karim <karim.y.faik@gmail.com>
| Date:   Fri Feb 9 16:59:08 2024 +0300
|
|     Moved hello.html to lib
|
* commit f96d9b13ef0f0239e241271bb831b5a8f120961a
| Author: Karim <karim.y.faik@gmail.com>
| Date:   Fri Feb 9 16:57:42 2024 +0300
|
|     Add an author/email comment
|
* commit 1f9c5a0b7b768614c07485fef458557702d7dd45 (tag: v1)
| Author: Karim <karim.y.faik@gmail.com>
| Date:   Fri Feb 9 16:50:15 2024 +0300
|
|     Added HTML header
|
* commit 4eecb33047200d29ef385cf54ef4532c7b641f03 (tag: v1-beta)
| Author: Karim <karim.y.faik@gmail.com>
| Date:   Fri Feb 9 16:49:09 2024 +0300
|
|     Added standard HTML page tags
|
* commit c3a78f9707628cf0073e76d2ceaadd2a7004e598
  Author: Karim <karim.y.faik@gmail.com>
  Date:   Fri Feb 9 16:19:41 2024 +0300
```
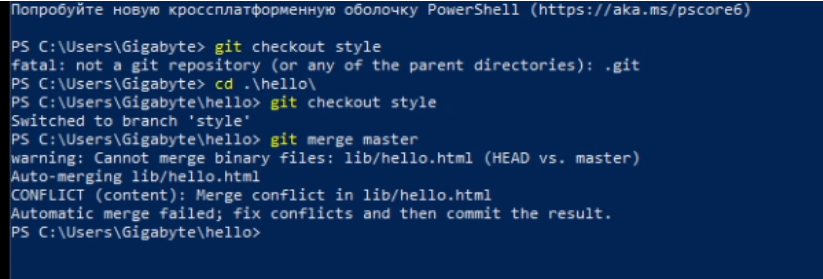
Рис. 5: Пункт 5

6. Изменения в ветке master(рис. 6)

Рис. 6: Пункт 6

7. Слияние веток (рис. 7)

```
PS C:\Users\Gigabyte\hello> git checkout style
Switched to branch 'style'
PS C:\Users\Gigabyte\hello> git rebase master
Current branch style is up to date.
PS C:\Users\Gigabyte\hello> git log --graph
* commit 0f2364917e0ec6ff1d79b3c377231a178d272225 (HEAD -> style)
| Author: Karim <karim.y.faik@gmail.com>
| Date:   Fri Feb 9 17:13:49 2024 +0300
|
|       Hello uses style.css
|
* commit ce637b2359ef58213a920ac9187a3f021e2e863e
| Author: Karim <karim.y.faik@gmail.com>
| Date:   Fri Feb 9 17:12:58 2024 +0300
|
|       Added css stylesheet
|
* commit c747b3c3a5f2869a964e87cd7e61dcf0b418908b (master)
| Author: Karim <karim.y.faik@gmail.com>
| Date:   Fri Feb 9 17:02:38 2024 +0300
|
|       Added index.html.
|
* commit 6b12759b2ac33c2e3a34ab774e3ccf4da789ac35
| Author: Karim <karim.y.faik@gmail.com>
| Date:   Fri Feb 9 16:59:08 2024 +0300
|
|       Moved hello.html to lib
|
* commit f96d9b13ef0f0239e241271bb831b5a8f120961a
| Author: Karim <karim.y.faik@gmail.com>
| Date:   Fri Feb 9 16:57:42 2024 +0300
|
|       Add an author/email comment
|
* commit 1f9c5a0b7b768614c07485fef458557702d7dd45 (tag: v1)
| Author: Karim <karim.y.faik@gmail.com>
| Date:   Fri Feb 9 16:50:15 2024 +0300
|
|       Added HTML header
|
* commit 4eecb33047200d29ef385cf54ef4532c7b641f03 (tag: v1-beta)
| Author: Karim <karim.y.faik@gmail.com>
| Date:   Fri Feb 9 16:49:09 2024 +0300
|
|       Added standard HTML page tags
|
* commit c3a78f9707628cf0073e76d2ceaadd2a7004e598
| Author: Karim <karim.y.faik@gmail.com>
| Date:   Fri Feb 9 16:19:41 2024 +0300
|
|       Initial Commit
PS C:\Users\Gigabyte\hello> git checkout master
Switched to branch 'master'
PS C:\Users\Gigabyte\hello> git merge style
Updating c747b3c..0f23649
Fast-forward
```

Рис. 7: Пункт 7

Вывод

Ознакомились с системой контроля версий ГИТ