Самостоятельная работа 2

1. Ветвь – указатель на коммит
2. git branch
3. git checkout feature, git checkout -b feature
4. git merge feature. Режим fast-forward и no-fast-forward
5. Создавая коммит слияние, может произойти конфликт слияния, если в обоих коммитах изменены одна и та же часть.

```
D:\MAKSIM\Documents\RepositMaxim\ITMO>git status
On branch debugging
nothing to commit, working tree clean

D:\MAKSIM\Documents\RepositMaxim\ITMO>git branch
* debugging
  features
  main

D:\MAKSIM\Documents\RepositMaxim\ITMO>git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

D:\MAKSIM\Documents\RepositMaxim\ITMO>git merge features
Updating 751e839..50a8837
Fast-forward
 TestGit/Features1.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 TestGit/Features1.txt
```

6.

7.

```
D:\MAKSIM\Documents\RepositMaxim\ITMO>git branch
  debugging
* main

D:\MAKSIM\Documents\RepositMaxim\ITMO>git merge debugging
Merge made by the 'ort' strategy.
 TestGit/Bug1.txt | 0
 TestGit/Bug2.txt | 0
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 TestGit/Bug1.txt
 create mode 100644 TestGit/Bug2.txt
```

```
D:\MAKSIM\Documents\RepositMaxim\ITMO>git status
On branch main
Your branch is ahead of 'origin/main' by 4 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

D:\MAKSIM\Documents\RepositMaxim\ITMO>git log
commit 3366fd9feaa2bbf3035d2d9f2db126b943548865 (HEAD -> main)
Merge: 50a8837 e55cb19
Author: DeDMaKSiM1 <maxlex2012@gmail.com>
Date:   Fri Jan 3 16:09:19 2025 +0300

    Merge branch 'debugging'

commit e55cb19f74392b66ff7f0afc72d7e523ec036626 (debugging)
Author: DeDMaKSiM1 <maxlex2012@gmail.com>
Date:   Fri Jan 3 16:06:13 2025 +0300

    Второй баг

commit d65659af96a2912a9292491cf3e0988ccda43624
Author: DeDMaKSiM1 <maxlex2012@gmail.com>
Date:   Fri Jan 3 16:05:17 2025 +0300

    Первый баг

commit 50a883777fa71856a23998d63175cd557605248c
Author: DeDMaKSiM1 <maxlex2012@gmail.com>
Date:   Fri Jan 3 16:01:05 2025 +0300

    Feature1

commit 751e83940f67e128f1292dd63ee3c998ce6b49df (origin/main, origin/HEAD)
Author: DeDMaKSiM1 <maxlex2012@gmail.com>
Date:   Fri Jan 3 15:56:06 2025 +0300

    Первый коммит
```

8.

```
D:\MAKSIM\Documents\RepositMaxim\ITMO>git branch
  features
* main

D:\MAKSIM\Documents\RepositMaxim\ITMO>git checkout features
Switched to branch 'features'

D:\MAKSIM\Documents\RepositMaxim\ITMO>git rebase main
Successfully rebased and updated refs/heads/features.
```

9.

```
D:\MAKSIM\Documents\RepositMaxim\ITMO>git cherry-pick b0e39
[main 2628eba] Работа в features2
 Date: Fri Jan 3 16:42:05 2025 +0300
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 TestGit/Features3.txt
```