```
vlad@vlad:~/programming/lab9$ git branch
  main
* mybranch
vlad@vlad:~/programming/lab9$ nano sort.c
vlad@vlad:~/programming/lab9$ git diff
diff --git a/lab9/sort.c b/lab9/sort.c
index 5bd6aef..96631ad 100644
--- a/lab9/sort.c
+++ b/lab9/sort.c
@@ -14,3 +14,7 @@ void bubble_sort(int size, int arr[size]) {
      }
 }
 //buble
+int main() {
+int a[]= {4,2,0};
+bubble_sort(3, a[3]);
+}
vlad@vlad:~/programming/lab9$ git diff --staged
vlad@vlad:~/programming/lab9$ git add sort.c
vlad@vlad:~/programming/lab9$ git diff
vlad@vlad:~/programming/lab9$ git diff --staged
diff --git a/lab9/sort.c b/lab9/sort.c
index 5bd6aef..96631ad 100644
--- a/lab9/sort.c
+++ b/lab9/sort.c
@@ -14,3 +14,7 @@ void bubble_sort(int size, int arr[size]) {
      }
 }
 //buble
+int main() {
+int a[]= {4,2,0};
+bubble_sort(3, a[3]);
+}
vlad@vlad:~/programming/lab9$ nano sort.c
vlad@vlad:~/programming/lab9$ git diff
diff --git a/lab9/sort.c b/lab9/sort.c
index 96631ad..b2ce522 100644
--- a/lab9/sort.c
+++ b/lab9/sort.c
@@ -15,6 +15,6 @@ void bubble_sort(int size, int arr[size]) {
 }
 //buble
 int main() {
-int a[]= {4,2,0};
+int a[]= {4,2, };
 bubble_sort(3, a[3]);
```

```
+int a[]= {4,2, };
 bubble_sort(3, a[3]);
}
vlad@vlad:~/programming/lab9$ git diff --staged
diff --git a/lab9/sort.c b/lab9/sort.c
index 5bd6aef..96631ad 100644
--- a/lab9/sort.c
+++ b/lab9/sort.c
@@ -14,3 +14,7 @@ void bubble_sort(int size, int arr[size]) {
        }
 }
 //buble
+int main() {
+int a[]= {4,2,0};
+bubble_sort(3, a[3]);
+}
vlad@vlad:~/programming/lab9$ git status
On branch mybranch
Your branch is up to date with 'origin/mybranch'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   sort.c

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working di
rectory)
        modified:   sort.c

vlad@vlad:~/programming/lab9$ git restore --staged sort.c
vlad@vlad:~/programming/lab9$ git status
On branch mybranch
Your branch is up to date with 'origin/mybranch'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working di
rectory)
        modified:   sort.c

no changes added to commit (use "git add" and/or "git commit -a
")
vlad@vlad:~/programming/lab9$ git add sort.c
vlad@vlad:~/programming/lab9$ git commit -m "изменил sort.c"
[mybranch a98f8b1] изменил sort.c
```

```
vlad@vlad:~/programming/lab9$ git commit -m "изменил sort.c"
[mybranch a98f8b1] изменил sort.c
 1 file changed, 4 insertions(+)
vlad@vlad:~/programming/lab9$ git log
commit a98f8b1a254a4228be856587c23174c64cb5ed2d (HEAD -> mybran
ch)
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Wed Nov 26 14:03:36 2025 +0700

    изменил sort.c

commit d7ad2d8d366d5f739fe411844b58098d53295ed7 (origin/mybranc
h)
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Wed Nov 26 13:51:06 2025 +0700

    добавил отчет на 3

commit 78a4d258d4fa018c82c75b39281c1abb9077def6
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Wed Nov 26 13:32:24 2025 +0700

    Добавил два файла

commit 782e84d30a117922fa54e447b74b1e4af714bbe1 (origin/main)
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 15:34:52 2025 +0700

    add sort.c, delete readme

commit 42be7b107bb6c4cf5a3626367bef0cf98323c16a
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 14:55:04 2025 +0700

    Add file: sort.c

commit 3e34e4aa2856096cd65c101d7a8131022c836b54
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 14:07:56 2025 +0700

    first commit

commit 7c1592bbe51f1d15faa6af867951fc4510c7de2b
Author: Novi4ek2156 <vlad_semyon@bk.ru>
Date:   Thu Nov 20 14:07:01 2025 +0700
```

```
Date:    Thu Nov 20 14:07:01 2025 +0700

    first commit
vlad@vlad:~/programming/lab9$ nano sort.c
vlad@vlad:~/programming/lab9$ cat sort.c
#include <stdio.h>

#define N 5

void bubble_sort(int size, int arr[size]) {
    for (int i = 0; i < size; i++) {
        for (int j = 0; j < size - i - 1; j++) {
            if (arr[j] > arr[j + 1]) { // если текущий > следую
щего, то делаем swap - меняем местами
                int tmp = arr[j];
                arr[j] = arr[j + 1];
                arr[j + 1] = tmp;
            }
        }
    }
}
//buble
int main() {
int a[]= {4,2, };
bubble_sort(3, a[3]);
printf("hello git\n");

}
vlad@vlad:~/programming/lab9$ git status
On branch mybranch
Your branch is ahead of 'origin/mybranch' by 1 commit.
  (use "git push" to publish your local commits)

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working di
rectory)
        modified:   sort.c

no changes added to commit (use "git add" and/or "git commit -a
")
vlad@vlad:~/programming/lab9$ git restore sort.c
vlad@vlad:~/programming/lab9$ cat sort.c
#include <stdio.h>

#define N 5
```

```c
#define N 5

void bubble_sort(int size, int arr[size]) {
    for (int i = 0; i < size; i++) {
        for (int j = 0; j < size - i - 1; j++) {
            if (arr[j] > arr[j + 1]) { // если текущий > следую
щего, то делаем swap - меняем местами
                int tmp = arr[j];
                arr[j] = arr[j + 1];
                arr[j + 1] = tmp;
            }
        }
    }
}
//buble
int main() {
int a[]= {4,2, };
bubble_sort(3, a[3]);
}
```
vlad@vlad:~/programming/lab9$ git status
On branch mybranch
Your branch is ahead of 'origin/mybranch' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
vlad@vlad:~/programming/lab9$ git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 12 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 498 bytes | 498.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local ob
ject.
To https://github.com/Novi4ek2156/programming.git
   d7ad2d8..a98f8b1 mybranch -> mybranch
vlad@vlad:~/programming/lab9$ touch greeting.txt
vlad@vlad:~/programming/lab9$ git add greeting.txt
vlad@vlad:~/programming/lab9$ git commit -m "Add file greating.
txt"
[mybranch 96ee71e] Add file greating.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 lab9/greeting.txt
vlad@vlad:~/programming/lab9$ nano greeting.txt
vlad@vlad:~/programming/lab9$ git add greeting.txt

```
vlad@vlad:~/programming/lab9$ git add greeting.txt
vlad@vlad:~/programming/lab9$ git commit -m "Add content to gre
eting.txt"
[mybranch eacf43e] Add content to greeting.txt
 1 file changed, 1 insertion(+)
vlad@vlad:~/programming/lab9$ git branch feature/uppercase
vlad@vlad:~/programming/lab9$ git branch
  feature/uppercase
  main
* mybranch
vlad@vlad:~/programming/lab9$ git checkout feature/uppercase
Switched to branch 'feature/uppercase'
vlad@vlad:~/programming/lab9$ git status
On branch feature/uppercase
nothing to commit, working tree clean
vlad@vlad:~/programming/lab9$ nano greeting.txt
vlad@vlad:~/programming/lab9$ git add greeting.txt
vlad@vlad:~/programming/lab9$ git commit -m "add HELLO"
[feature/uppercase 76125a9] add HELLO
 1 file changed, 1 insertion(+), 1 deletion(-)
vlad@vlad:~/programming/lab9$ git branch
* feature/uppercase
  main
  mybranch
vlad@vlad:~/programming/lab9$ git log --oneline --graph --all
* 76125a9 (HEAD -> feature/uppercase) add HELLO
* eacf43e (mybranch) Add content to greeting.txt
* 96ee71e Add file greating.txt
* a98f8b1 (origin/mybranch) изменил sort.c
* d7ad2d8 добавил отчет на 3
* 78a4d25 Добавил два файла
| * 051f1e1 (main) add file2
|/
* 782e84d (origin/main) add sort.c, delete readme
* 42be7b1 Add file: sort.c
* 3e34e4a first commit
* 7c1592b first commit
vlad@vlad:~/programming/lab9$ git switch main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)
vlad@vlad:~/programming/lab9$ cat greetings.txt
cat: greetings.txt: No such file or directory
vlad@vlad:~/programming/lab9$ cat greeting.txt
cat: greeting.txt: No such file or directory
vlad@vlad:~/programming/lab9$ git diff main mybranch feture/upp
```

```
cat: greeting.txt: No such file or directory
vlad@vlad:~/programming/lab9$ git diff main mybranch feture/upp
ercase
fatal: ambiguous argument 'feture/uppercase': unknown revision
or path not in the working tree.
Use '--' to separate paths from revisions, like this:
'git <command> [<revision>...] -- [<file>...]'
vlad@vlad:~/programming/lab9$ git diff main mybranch feature/up
percase
diff --cc lab9/greeting.txt
index ce01362,e427984..0000000
deleted file mode 100644,100644
--- a/lab9/greeting.txt
+++ /dev/null
@@@ -1,1 -1,1 +1,0 @@@
- hello
 -HELLO
diff --cc lab9/otchet_na_3.pdf
index 012a0e0,012a0e0..0000000
deleted file mode 100644,100644
Binary files differ
diff --cc lab9/sort.c
index b2ce522,b2ce522..5bd6aef
--- a/lab9/sort.c
+++ b/lab9/sort.c
@@@ -14,7 -14,7 +14,3 @@@ void bubble_sort(int size, int arr[si
ze
        }
  }
  //buble
--int main() {
--int a[]= {4,2, };
--bubble_sort(3, a[3]);
--}
diff --cc lab9/vlad.txt
index e69de29,e69de29..0000000
deleted file mode 100644,100644
--- a/lab9/vlad.txt
+++ /dev/null
vlad@vlad:~/programming/lab9$ git merge mybranch
Merge made by the 'ort' strategy.
 lab9/file1.txt         |   0
 lab9/greeting.txt      |   1 +
 lab9/otchet_na_3.pdf   | Bin 0 -> 2060769 bytes
 lab9/sort.c            |   4 ++++
 lab9/vlad.txt          |   0
```

```
--}
diff --cc lab9/vlad.txt
index e69de29,e69de29..0000000
deleted file mode 100644,100644
--- a/lab9/vlad.txt
+++ /dev/null
vlad@vlad:~/programming/lab9$ git merge mybranch
Merge made by the 'ort' strategy.
 lab9/file1.txt        |    0
 lab9/greeting.txt     |    1 +
 lab9/otchet_na_3.pdf  | Bin 0 -> 2060769 bytes
 lab9/sort.c           |    4 ++++
 lab9/vlad.txt         |    0
 5 files changed, 5 insertions(+)
 create mode 100644 lab9/file1.txt
 create mode 100644 lab9/greeting.txt
 create mode 100644 lab9/otchet_na_3.pdf
 create mode 100644 lab9/vlad.txt
vlad@vlad:~/programming/lab9$ git merge feature/uppercase
Merge made by the 'ort' strategy.
 lab9/greeting.txt | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)
vlad@vlad:~/programming/lab9$ cat greeting.txt
HELLO
vlad@vlad:~/programming/lab9$ git branch -d feature/uppercase
Deleted branch feature/uppercase (was 76125a9).
vlad@vlad:~/programming/lab9$ git log --online --graph --all
fatal: unrecognized argument: --online
vlad@vlad:~/programming/lab9$ git log --oneline --graph --all
*   f1af9b7 (HEAD -> main) Merge branch 'feature/uppercase'
|\
| * 76125a9 add HELLO
* | 66b2e95 Merge branch 'mybranch'
|\|
| * eacf43e (mybranch) Add content to greeting.txt
| * 96ee71e Add file greating.txt
| * a98f8b1 (origin/mybranch) изменил sort.c
| * d7ad2d8 добавил отчет на 3
| * 78a4d25 Добавил два файла
* | 051f1e1 add file2
|/
* 782e84d (origin/main) add sort.c, delete readme
* 42be7b1 Add file: sort.c
* 3e34e4a first commit
* 7c1592b first commit
vlad@vlad:~/programming/lab9$
```