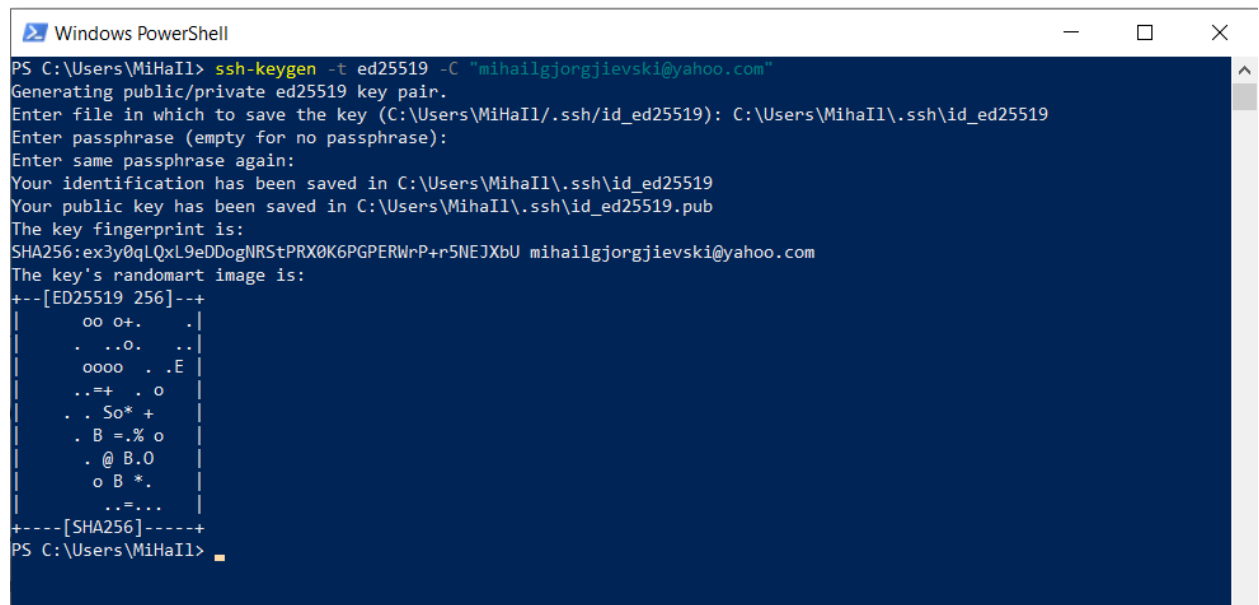


# First homework for continuous integration continuous development

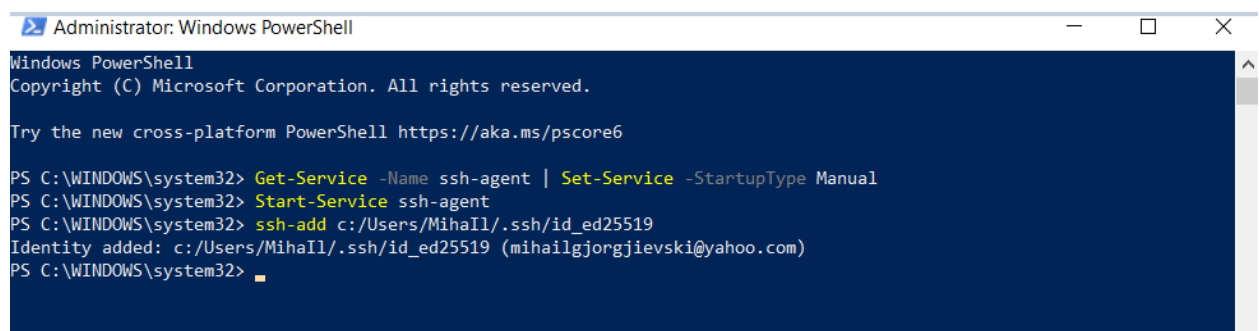
## 1. Creating an SSH key and adding it to github.com

### Generating the actual key



```
Windows PowerShell
PS C:\Users\MihaIl> ssh-keygen -t ed25519 -C "mihailgjorgjievski@yahoo.com"
Generating public/private ed25519 key pair.
Enter file in which to save the key (C:\Users\MihaIl\.ssh\id_ed25519): C:\Users\MihaIl\.ssh\id_ed25519
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in C:\Users\MihaIl\.ssh\id_ed25519
Your public key has been saved in C:\Users\MihaIl\.ssh\id_ed25519.pub
The key fingerprint is:
SHA256:ex3y0qLQxL9eDDogNRStPRX0K6PGPERWrP+r5NEJXbU mihailgjorgjievski@yahoo.com
The key's randomart image is:
+--[ED25519 256]--+
|      oo o+. .  |
|      . ..o. .  |
|      oooo . .E |
|      ..+= . o   |
|      . . So* +   |
|      . B =.% o   |
|      . @ B.O     |
|      o B *       |
|      ..=...     |
+-----[SHA256]-----+
PS C:\Users\MihaIl>
```

### Starting the SSH key and adding it locally

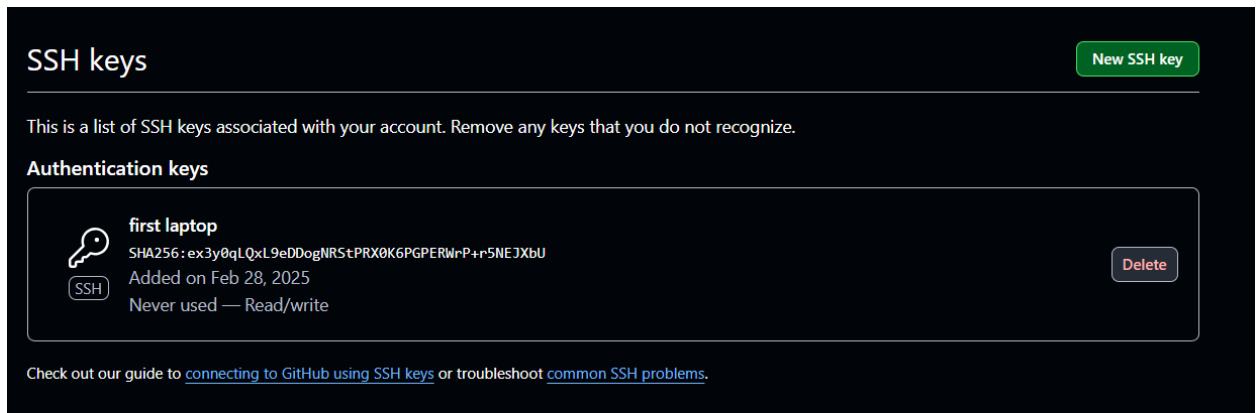


```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

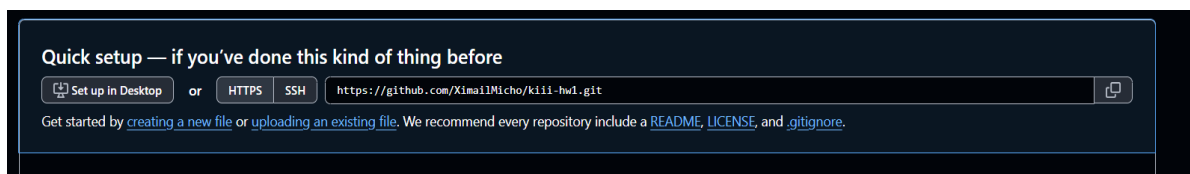
PS C:\WINDOWS\system32> Get-Service -Name ssh-agent | Set-Service -StartupType Manual
PS C:\WINDOWS\system32> Start-Service ssh-agent
PS C:\WINDOWS\system32> ssh-add c:/Users/MihaIl/.ssh/id_ed25519
Identity added: c:/Users/MihaIl/.ssh/id_ed25519 (mihailgjorgjievski@yahoo.com)
PS C:\WINDOWS\system32>
```

### Adding it to github.com



## 2. Creating a new GitHub repository and clone it locally

Created the repository on github.com (forgot to screenshot)



Cloned the repository locally

```
Windows PowerShell
PS C:\Users\MiHaIl\desktop\finki> cd '..\6.SESTI SEMESTAR\'
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR> git clone git@github.com:XimailMicho/kiii-hw1.git
Cloning into 'kiii-hw1'...
The authenticity of host 'github.com (140.82.121.4)' can't be established.
ED25519 key fingerprint is SHA256:+DiY3wvvV6TuJJhbpZisF/zLDA0zPMSvHdkr4UvC0qU.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added 'github.com' (ED25519) to the list of known hosts.
warning: You appear to have cloned an empty repository.
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR>
```

Created the main branch and added README.md file, committed and pushed the changes

```
Windows PowerShell
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> echo "This is the first homework of the Continuous Integratio
n continuous deployment" > README.md
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git branch
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git branch -M main
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git branch
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git checkout -b main
Switched to a new branch 'main'
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git add README.md
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git status
On branch main

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   README.md

PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git commit -m "initial commit, readme"
[main (root-commit) f0bb49f] initial commit, readme
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 README.md
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git push origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 320 bytes | 320.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To github.com:XimailMicho/kiii-hw1.git
 * [new branch]      main -> main
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1>
```

Created branches test, develop and production and added a .txt file in the develop branch

```
Windows PowerShell
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git checkout -b develop
Switched to a new branch 'develop'
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git branch
* develop
  main
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git branch test
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git branch production
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git branch
* develop
  main
  production
  test
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> echo "Adding a new file in the develop branch" > content.txt
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git status
On branch develop
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    content.txt

nothing added to commit but untracked files present (use "git add" to track)
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git add *
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git commit -m "added content to develop branch"
[develop 1c76c77] added content to develop branch
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 content.txt
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1>
```

Merged the develop branch into main

```
Windows PowerShell
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git merge develop
Updating f0bb49f..1c76c77
Fast-forward
 content.txt | Bin 0 -> 84 bytes
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 content.txt
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
 (use "git push" to publish your local commits)

nothing to commit, working tree clean
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1>
```

\*i pushed the changes to github.com but appears i forgot to screenshot

Added more content in the develop branch

```
Windows PowerShell
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git checkout develo
error: pathspec 'develo' did not match any file(s) known to git
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git checkout develop
Switched to branch 'develop'
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> echo "adding more content into the develop branch" > morecon
tent.txt
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git status
On branch develop
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    morecontent.txt

nothing added to commit but untracked files present (use "git add" to track)
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git add *
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git commit -m "added more content to the develop branch"
[develop e44c06e] added more content to the develop branch
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 morecontent.txt
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1>
```

Merged the develop branch into the test branch

```
Windows PowerShell
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git checkout test
Switched to branch 'test'
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git merge develop
Updating f0bb49f..e44c06e
Fast-forward
 content.txt      | Bin 0 -> 84 bytes
 morecontent.txt | Bin 0 -> 92 bytes
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 content.txt
 create mode 100644 morecontent.txt
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1> git status
On branch test
nothing to commit, working tree clean
PS C:\Users\MiHaIl\desktop\finki\6.SESTI SEMESTAR\kiii-hw1>
```

Merged the test branch into the main branch

```
PS C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\kiii-hw1> git branch
develop
* main
  production
  test
PS C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\kiii-hw1> git merge test
Updating 1c76c77..e44c06e
Fast-forward
 morecontent.txt | Bin 0 -> 92 bytes
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 morecontent.txt
PS C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\kiii-hw1> git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean
PS C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\kiii-hw1> git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 405 bytes | 405.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To github.com:XimailMicho/kiii-hw1.git
 1c76c77..e44c06e  main -> main
PS C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\kiii-hw1>
```

3. Forking a repository from github.com than cloning it locally


Forked a repository from a colleague and cloned it locally

## Create a new fork

A *fork* is a copy of a repository. Forking a repository allows you to freely experiment with changes without affecting the original project. [View existing forks.](#)

Required fields are marked with an asterisk (\*).

Owner \*

 XimailMicho

Repository name \*

kii-homework-fork

✔ kii-homework-fork is available.

By default, forks are named the same as their upstream repository. You can customize the name to distinguish it further.

Description (optional)

☒ Copy the `main` branch only

Contribute back to slavcho-m/kii-homework by adding your own branch. [Learn more.](#)

ⓘ You are creating a fork in your personal account.

Create fork

Directory: C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\KIII

Mode	LastWriteTime	Length	Name
d-----	3/1/2025 5:51 PM		hw1

```
PS C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\KIII>
PS C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\KIII> git clone git@github.com:XimailMicho/kii-homework-fork.git
Cloning into 'kii-homework-fork'...
remote: Enumerating objects: 10, done.
remote: Counting objects: 100% (10/10), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 10 (delta 0), reused 9 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (10/10), done.
PS C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\KIII> ls
```

Directory: C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\KIII

Mode	LastWriteTime	Length	Name
d-----	3/1/2025 5:51 PM		hw1
d-----	3/1/2025 6:13 PM		kii-homework-fork

```
PS C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\KIII> cd .\kii-homework-fork\
PS C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\KIII\kii-homework-fork>
```

Created a new branch and made a simulation change, committed and pushed on branch feature-change

```

PS C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\KIII\kii-homework-fork> git checkout -b feature-change
Switched to a new branch 'feature-change'
PS C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\KIII\kii-homework-fork> echo "made a new text file to simulate a change for the homework " > change.txt
PS C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\KIII\kii-homework-fork> git status
On branch feature-change
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        change.txt

nothing added to commit but untracked files present (use "git add" to track)
PS C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\KIII\kii-homework-fork> git add change.txt
PS C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\KIII\kii-homework-fork> git commit -m "added a .txt file"
[feature-change 43e494f] added a .txt file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 change.txt
PS C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\KIII\kii-homework-fork> git push origin feature-change
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 401 bytes | 401.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'feature-change' on GitHub by visiting:
remote:   https://github.com/XimailMicho/kii-homework-fork/pull/new/feature-change
remote:
To github.com:XimailMicho/kii-homework-fork.git
 * [new branch]      feature-change -> feature-change
PS C:\Users\MiHaIl\Desktop\FINKI\6.SESTI SEMESTAR\KIII\kii-homework-fork>

```

Created a pull request for made change

### Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#) or [learn more about diff comparisons](#).

base repository: slavcho-m/kii-homework

base: main

head repository: XimailMicho/kii-homework-fork

compare: feature-change

✓ **Able to merge.** These branches can be automatically merged.

**Add a title**

added a .txt file

**Add a description**

Write

Preview

H B I ≡ < > @ | ≡ ≡ | @ @ ↶ ↷

Add your description here...

Markdown is supported

Paste, drop, or click to add files

☒ Allow edits by maintainers ⓘ
 

Create pull request

Helpful resources

GitHub Community Guidelines

Pull request accepted and merged cleanly into owner's main

# added a .txt file #2

Merged

slavcho-m merged 1 commit into slavcho-m:main from XimailMicho:feature-change now

Conversation 0

Commits 1

Checks 0

Files changed 1

XimailMicho commented 6 minutes ago

No description provided.

added a .txt file

43e494f

slavcho-m merged commit 8a89160 into slavcho-m:main now

Revert

Pull request successfully merged and closed

You're all set — the feature-change branch can be safely deleted.

Delete branch

Preview

Switch back to the classic merge experience · Give feedback

Created by:

Mihail Gjorgjievski (221242)