1ο Project_Μάθημα Python_Εκπαιδευτής_ Ασίμογλου Μενέλαος_

Παράδοση: μέχρι Τετ 19 Νοε
Βαθμολόγηση: ΝΑΙ

Σκοπός να φτιάξετε λογαριασμό στο github για version control στον κώδικό σας. Παρακάτω είναι οι οδηγίες για την εργασία σας.

1. Create a GitHub account

Step 1: Open GitHub website

1. On your Windows PC, open a browser (Chrome / Edge / Firefox).
2. In the address bar, type: `https://github.com` and press Enter.

Why?
GitHub is the website where you will store (host) your code. First you need an account, just like email or social media.

Step 2: Start the SignUp process

1. On the GitHub home page, click “Sign up” (usually top right).

Why?
“Sign up” means “create a new account”. Without an account, you cannot create repositories or upload your project.

Step 3: Enter your email

1. In the “Enter your email” field, type your email address.
2. Click “Continue”.

Why?
GitHub uses your email to identify you and to send you verification messages or password reset if you forget it.

Step 4: Choose a password

1. Type a strong password (at least 8 characters, mix of letters, numbers, maybe symbols).
2. Click “Continue”.

Why?
Your password protects your account and your code so other people cannot change it.

Step 5: Choose a username

1. Enter a username (e.g. `vasilis!#4`, `giannis123`, etc.).
2. If GitHub says it is taken, try another one.
3. Click “Continue”.

Why?
The username becomes part of your GitHub address. For example:
`https://github.com/yourusername`
Your teacher will see this name when checking your project.

Step 6: Confirm your account (captcha)

1. GitHub may show a small puzzle (“Verify your account”).
2. Follow the instructions (e.g. drag a slider, select images, etc.).
3. When done, click “Create account” or similar.

Why?
This step proves to GitHub that you are a real person, not a robot.

Step 7: Verify your email

1. Open your email (Gmail / Outlook / etc.).
2. Look for an email from GitHub.
3. Open it and click “Verify email address”.

Why?
GitHub needs to confirm that the email really belongs to you, so nobody else can use your email without permission.

2. Create a new repository for the homework

(A “repository” = a project folder on GitHub, where we keep all the files of one project.)

Step 8: Go to “New repository”

1. Make sure you are logged in to GitHub.
2. Click your profile picture (top right) or the “+” sign (also top right).
3. Click “Your repositories”.
4. On the repositories page, click “New” or “New repository”.

Why?
Each project lives in its own repository. For this homework, we want one repository per student to store the project file.

Step 9: Name the repository

1. In “Repository name”, type a clear name, for example:

   `yoursurname_python_sphy_2025`

2. Make sure there are no spaces; use `` or `_` instead.(στην παραπάνω μορφή

Why?
The repository name will be part of the link you send to your teacher (e.g. `https://github.com/yourusername/pythonhomework1`). It should be easy to understand.

Step 10: Choose visibility (Public)

You will see an option:

Public – anyone can see the code.
Private – only you (and people you invite) can see it.

Why?
Visibility controls who can see your project. Public is easier for the teacher to open without extra steps. Private needs an invitation.

Step 11: Add a README

You see “Initialize this repository with a README”. You can:

tick it to create a README file.(γράψτε γιατί θα χρησιμοποιηθεί το repo)

Why?
README is a text file describing the project. It’s useful, but not required for basic homework. The important thing is the Python file.

Step 12: Create the repository

1. Scroll down.
2. Click “Create repository”.

Why?
This actually creates the project folder on GitHub’s servers. Now you have an empty place in the cloud where you will upload your homework file.

3. Upload your Python project file (φτιάξτε ένα αρχείο .py και γράψτε ένα οποιοδήποτε script θέλετε)

Now we will upload your `.py` file (or files) from your Windows computer to the GitHub repository.

Step 13: Open your new repository page

After creating it, GitHub should show you the repository page.
If not, you can always find it by going to:

Profile picture → Your repositories → Click the repository name.

Why?
You must be inside the correct repository to upload files to it.

Step 14: Click “Add file” → “Upload files”

1. On the repository page, look for a button: “Add file”.
2. Click it and then choose “Upload files”.

Why?
“Upload files” allows you to send files directly from your computer to GitHub using the browser, no extra software needed.

Step 15: Choose the file from Windows

You now have two options:

Option A: Drag and drop

1. Open File Explorer in Windows (yellow folder icon).
2. Find the folder where your Python project is saved (for example: `C:\Users\YourName\Documents\PythonProjects`).
3. Click the `.py` file (e.g. `homework1.py`) and drag it into the upload area in the browser.

Option B: “Choose your files” button

1. Click “choose your files” in the GitHub upload page.
2. A Windows file dialog will open.
3. Navigate to the folder where your project file is.
4. Select the file (e.g. `homework1.py`) and click “Open”.

Why?
This step sends your file from your local computer to GitHub so your teacher can see it online.

Step 16: Write a commit message

1. Under the file list, you will see a field called “Commit changes” and a text box (e.g. “Add files via upload”).
2. You can leave the default message or type something like:

`Initial upload of homework 1`

Why?
A “commit” is like taking a snapshot of your project. The message is a short description of what you changed or added. It helps track versions over time.

Step 17: Finalize the upload

1. Click the green button “Commit changes” (or “Commit changes” → “Commit directly to the main branch”).

Why?
This makes the upload permanent in the repository. After this, your file is officially stored on GitHub and your teacher can view it.

4. Check that your file is there

Step 18: Verify the file on GitHub

1. You will return to the main page of the repository.
2. You should see your file name (e.g. `homework1.py`) in the list.

Why?
To make sure you really uploaded the correct file and it’s visible online.

5. Send the link to your teacher

Step 19: Copy the repository URL

1. At the top of the repository page, you will see the address in the browser, something like:
`https://github.com/yourusername/pythonhomework1`
2. Click once in the address bar to highlight the URL.
3. Press Ctrl + C to copy it.

Why?
Your teacher will use this link to open your repo and check your homework.

Step 20: Paste the link where your teacher asked

Paste the link (Ctrl + V) in:

discord στο κανάλι homework(να έουν σταλεί μέχρι το επόμενο μάθημά μας)

Why?
The link is how your teacher can directly access your code without downloading random files from emails.