

KOŁO NAUKOWE
MACHINE LEARNING
POLITECHNIKI RZESZOWSKIEJ

SZKOLENIE TECHNICZNE

Agenda

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1 Wymogi wstępne

1. konto na GitHub'ie
2. konto na JetBrains

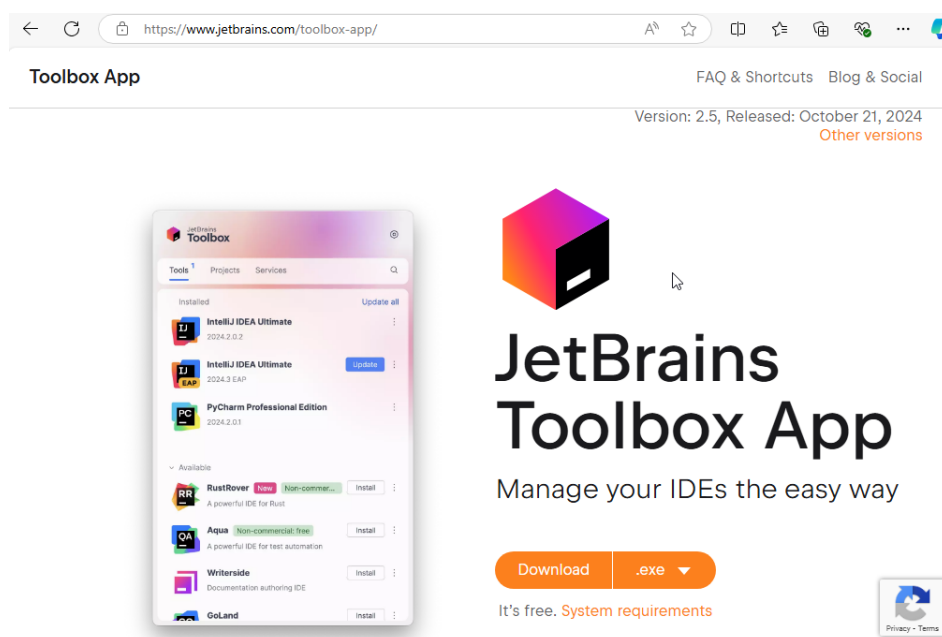
2 Agenda

W ramach szkolenia zostaną omówione następujące zagadnienia:

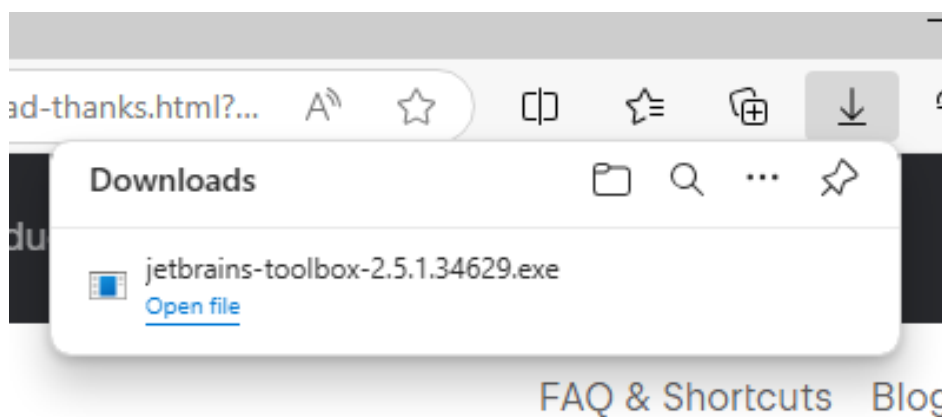
1. sprawdzenie czy wszyscy mają konto GitHub i JetBrains
2. instalacja JetBrains toolbox
3. instalacja i konfiguracja PyCharm
4. Sprawdzenie czy python działa - uruchomienie prostego skryptu
5. nauka pracy z gitem - commitowanie, pushowanie, pull requesty

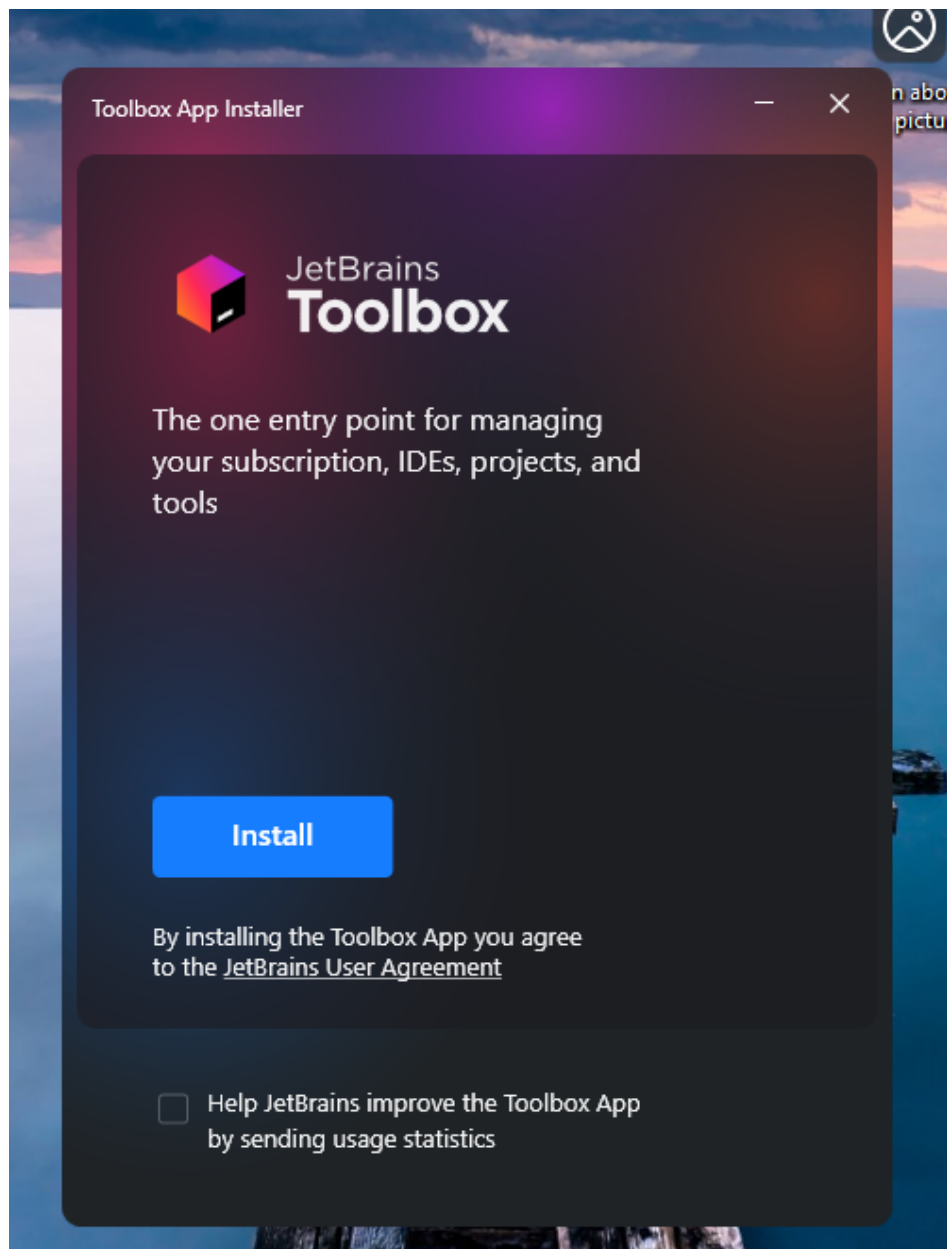
3 Cały proces

3.1 Instalacja ToolBoxa i PyCharm



<https://www.jetbrains.com/toolbox-app>





this picture



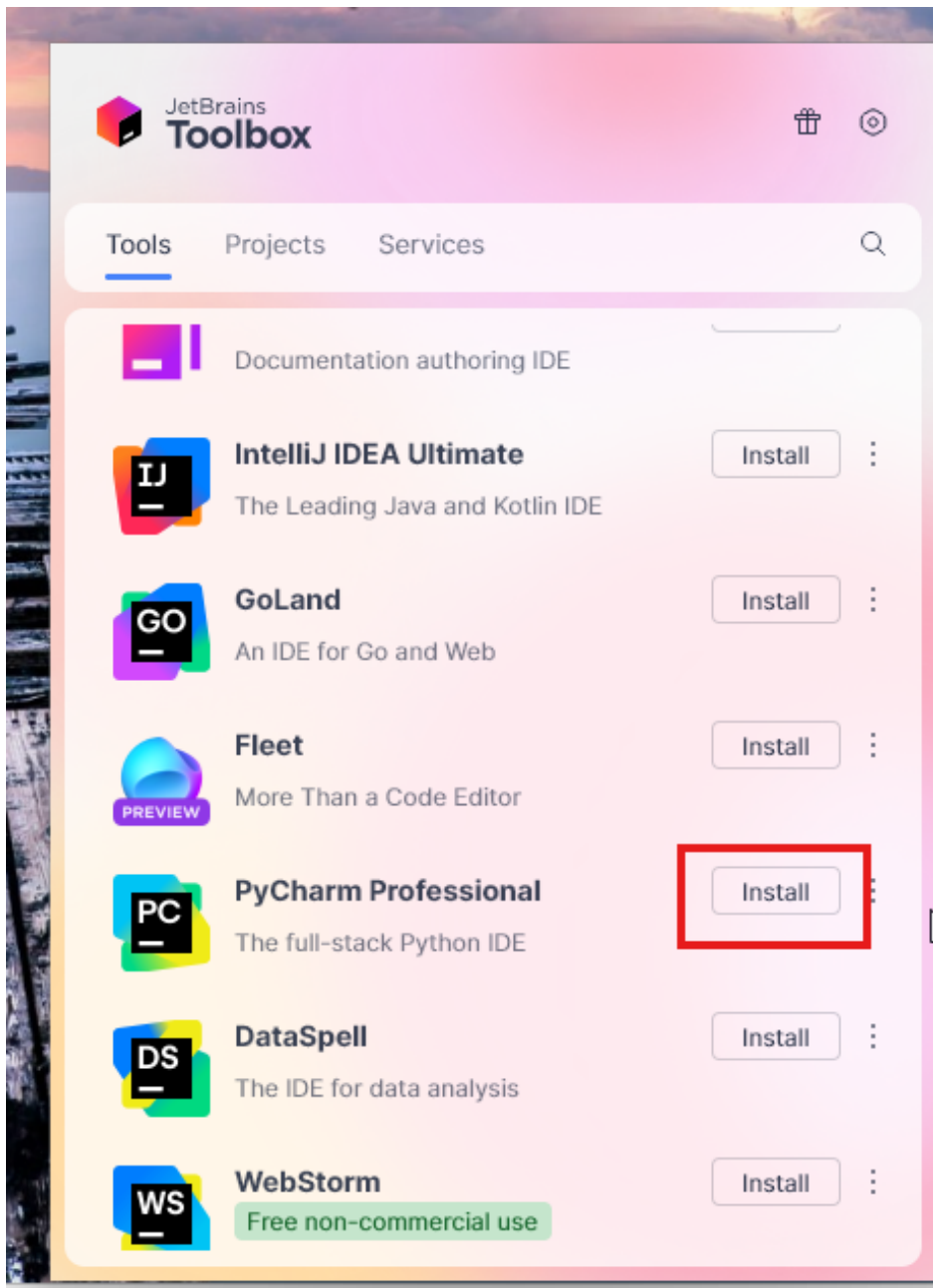
Welcome to Toolbox App

Easily access and update your
JetBrains tools every day

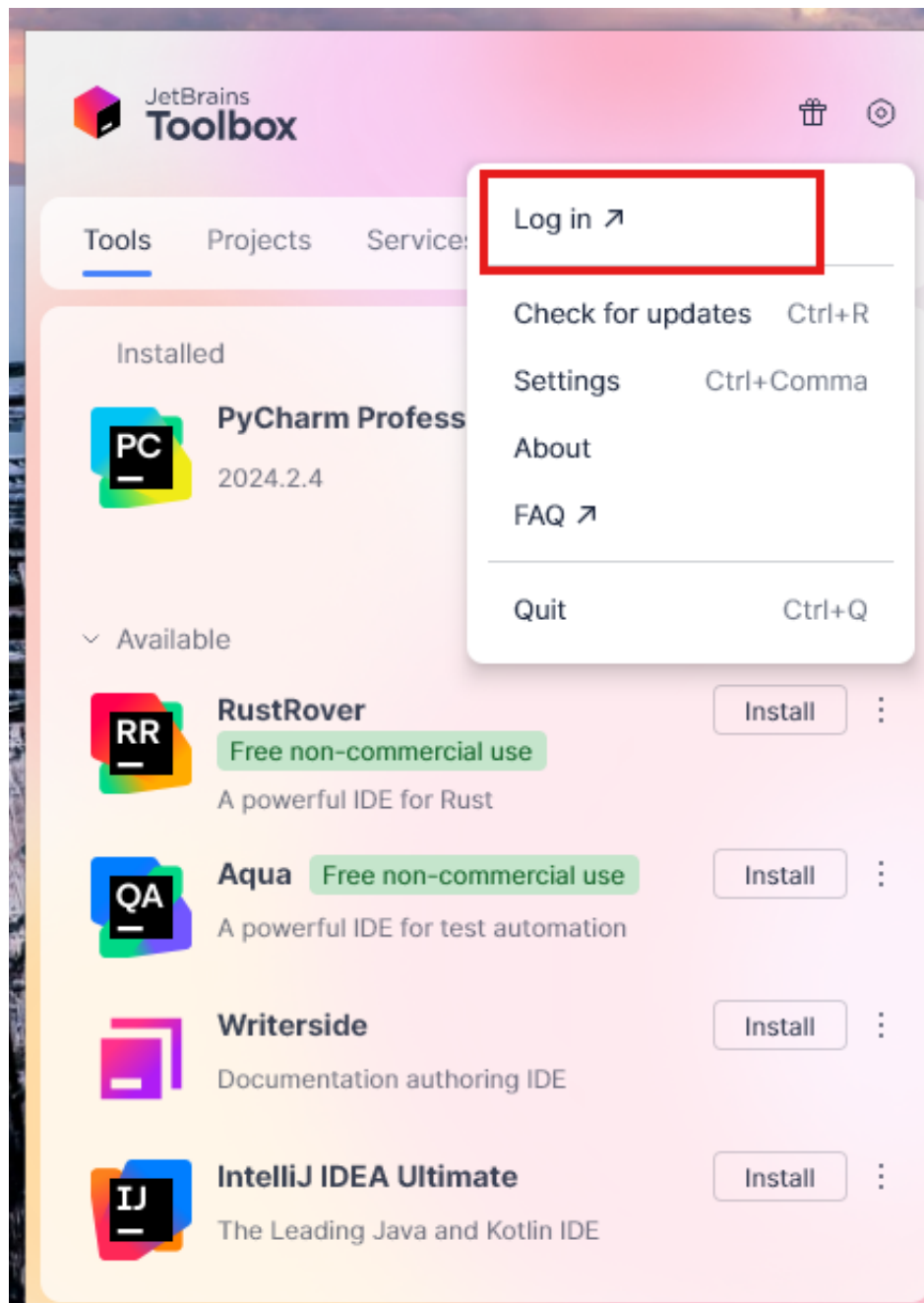
- ☒ Agree to the [JetBrains User Agreement](#)
- ☐ Help JetBrains to improve Toolbox App by
sending anonymous usage statistics

Start

🌐 English ▾ Region ▾



3.2 Login do JetBrains Toolbox





[Sign In](#) [Create Account](#)

Username

Password

[Sign In](#)

[Forgot password?](#)

Or sign in with:



By continuing, you agree to the [JetBrains Account Agreement](#)



Toolbox App

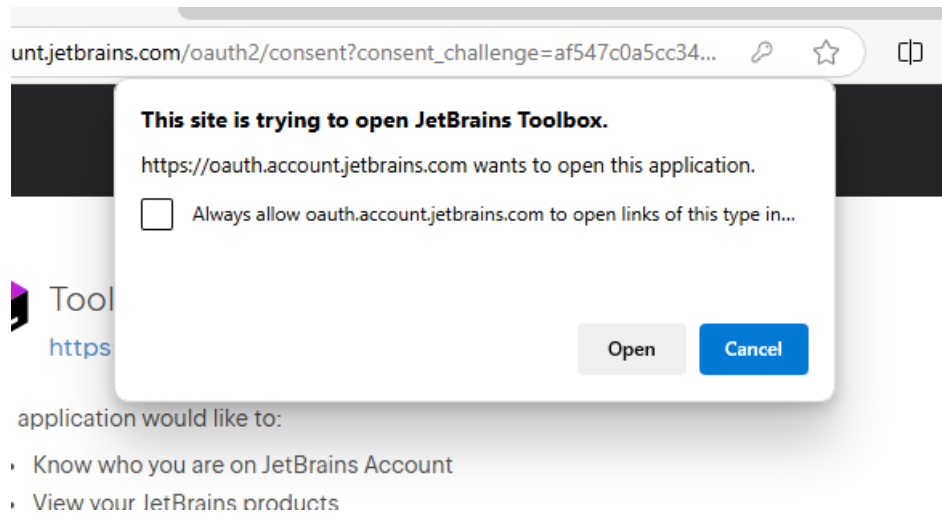
<https://www.jetbrains.com/toolbox/app>

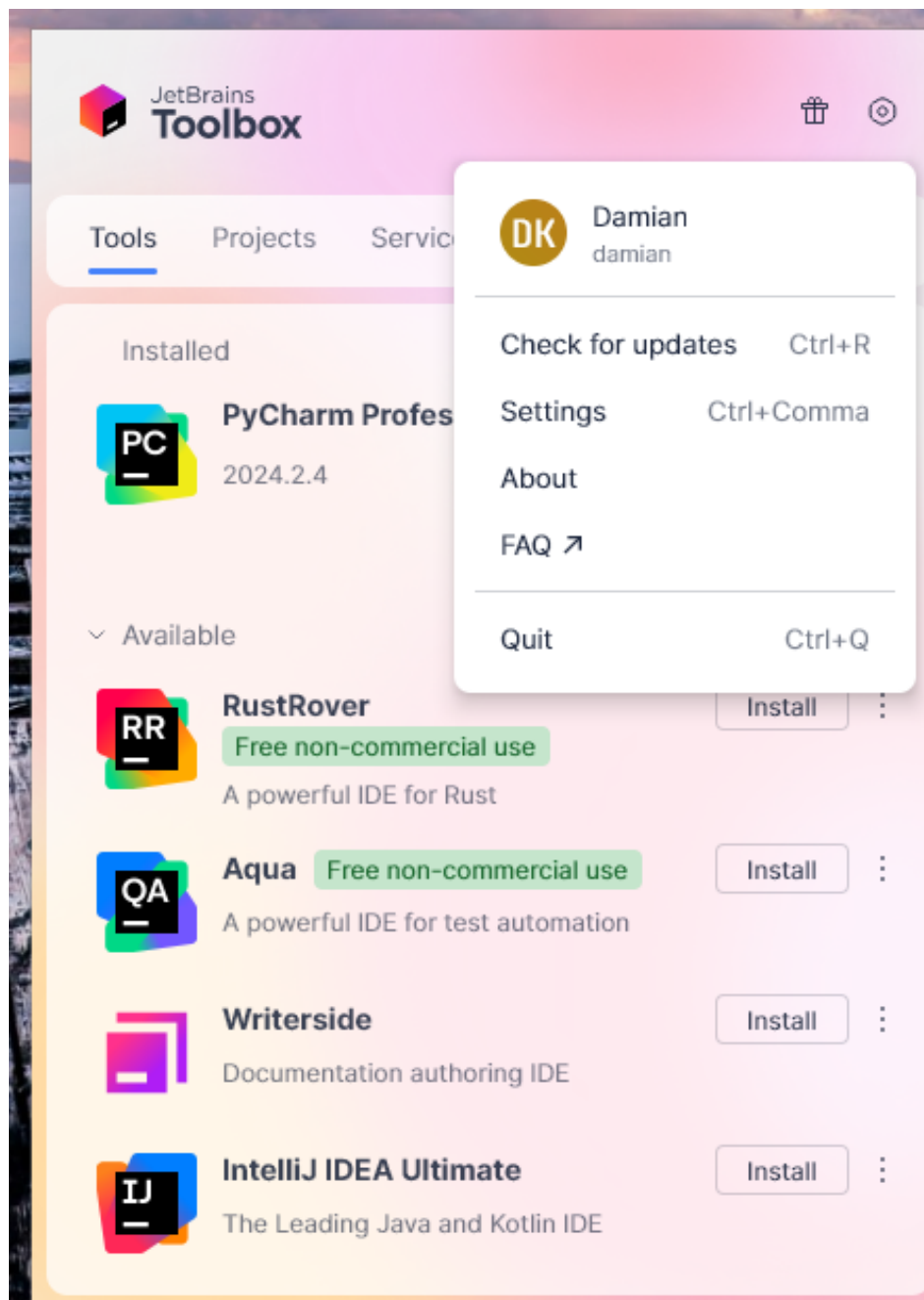
This application would like to:

- Know who you are on JetBrains Account
- View your JetBrains products
- Authenticate in JetBrains products on your behalf

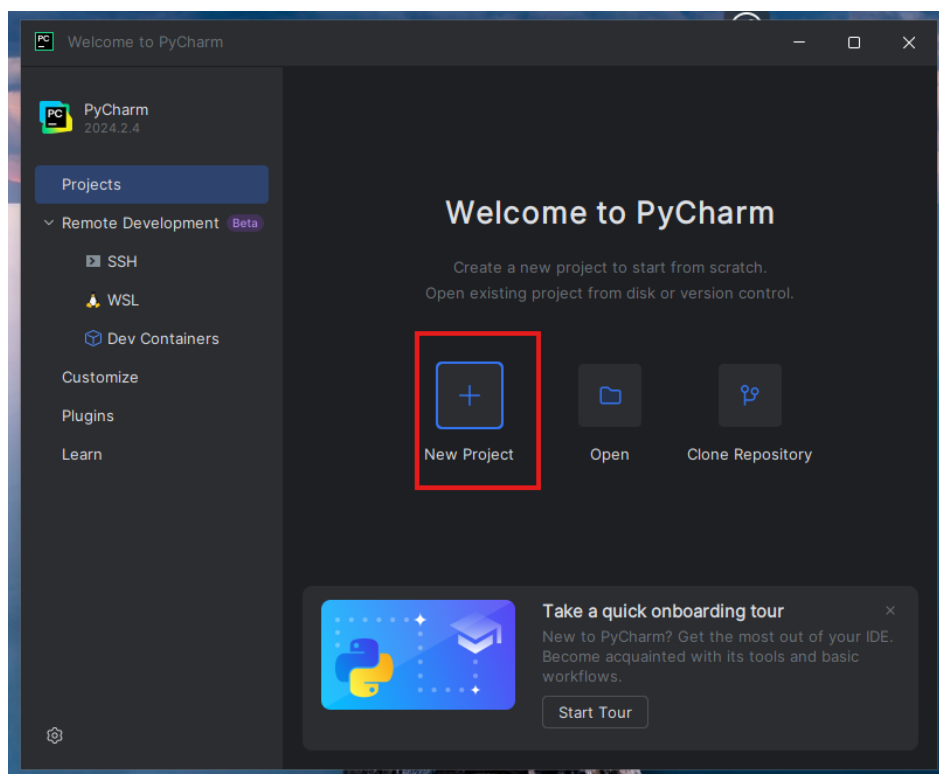
[Approve](#)

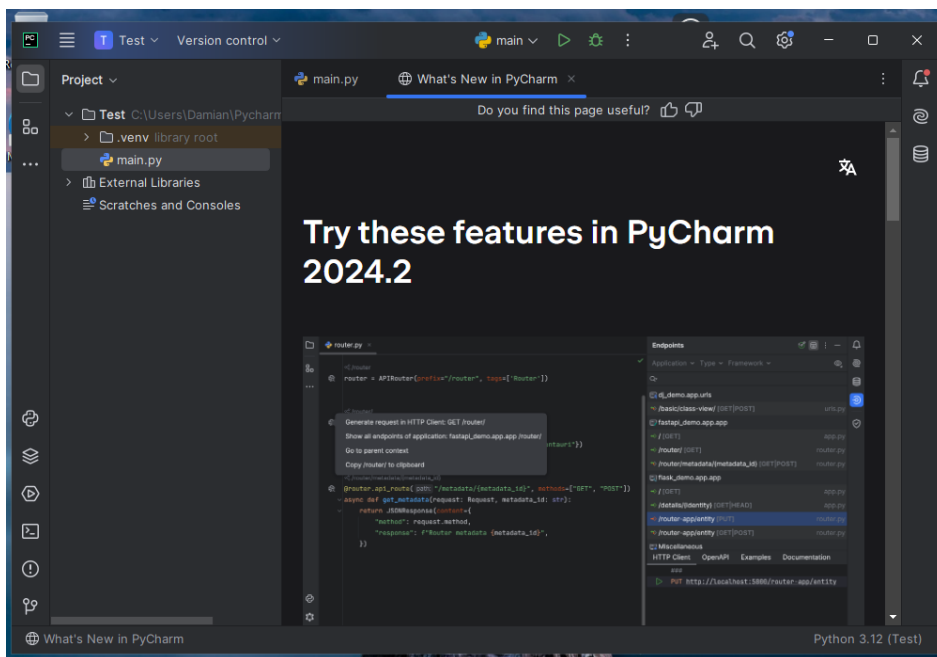
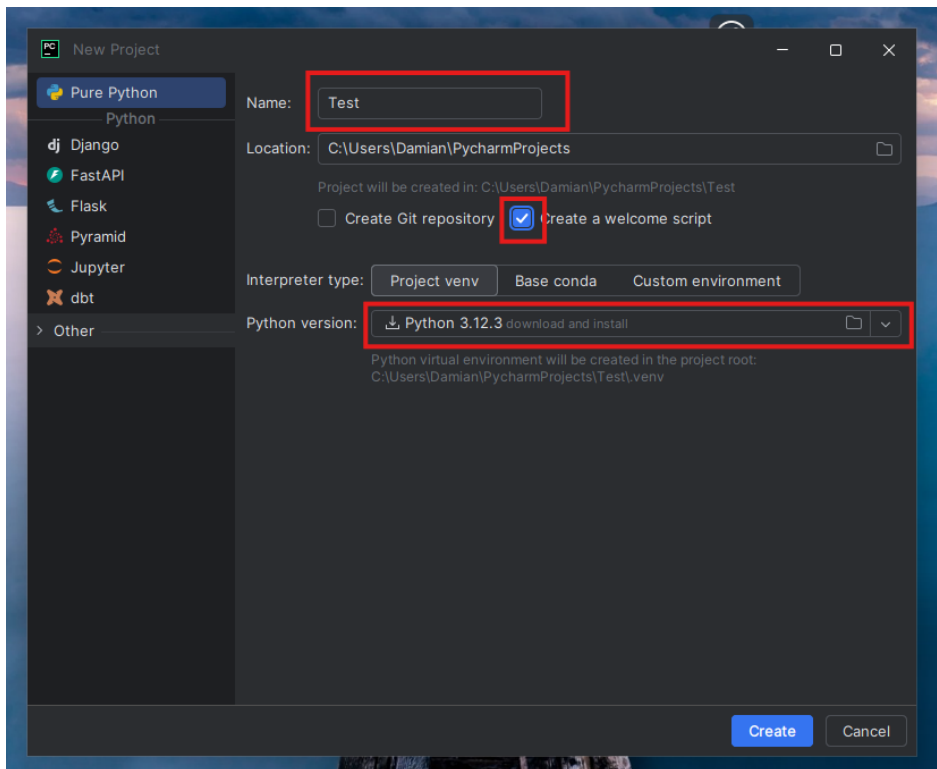
[Deny](#)

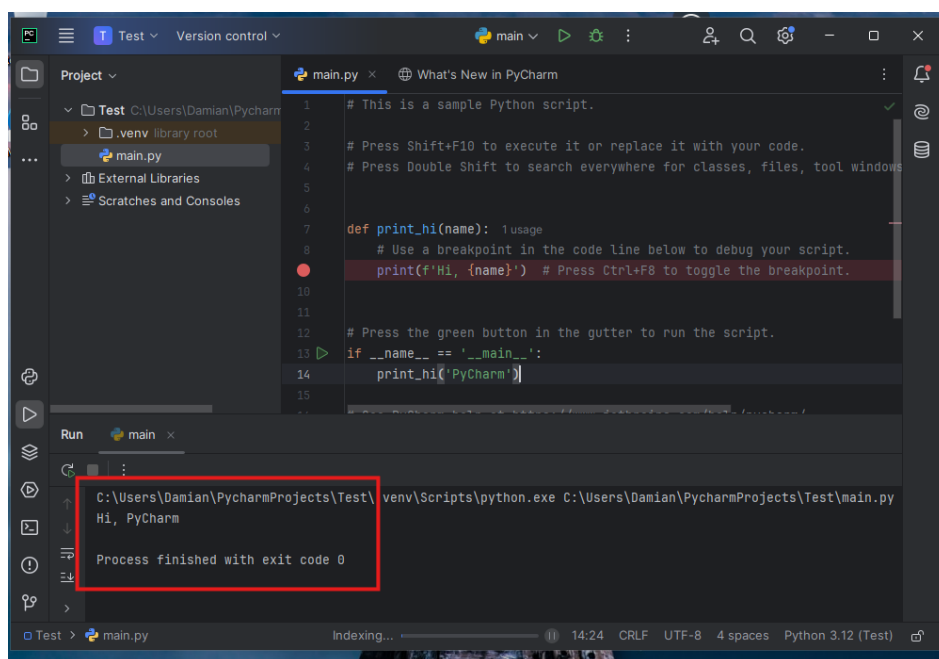
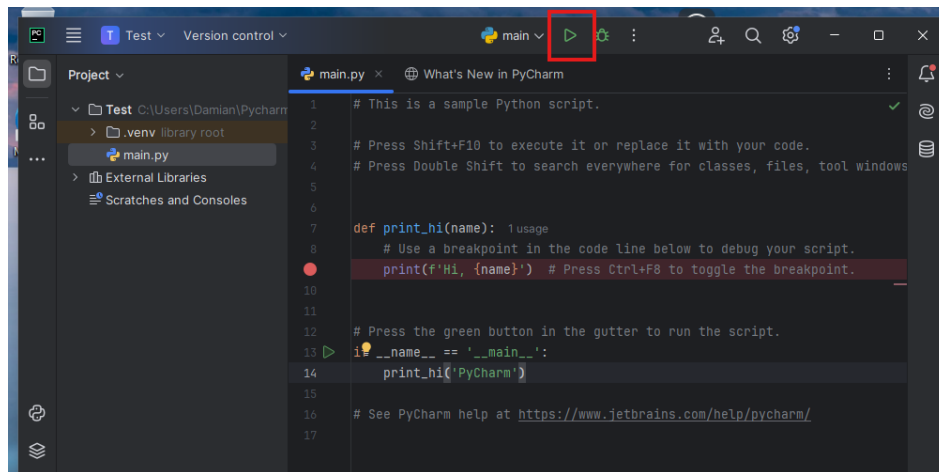




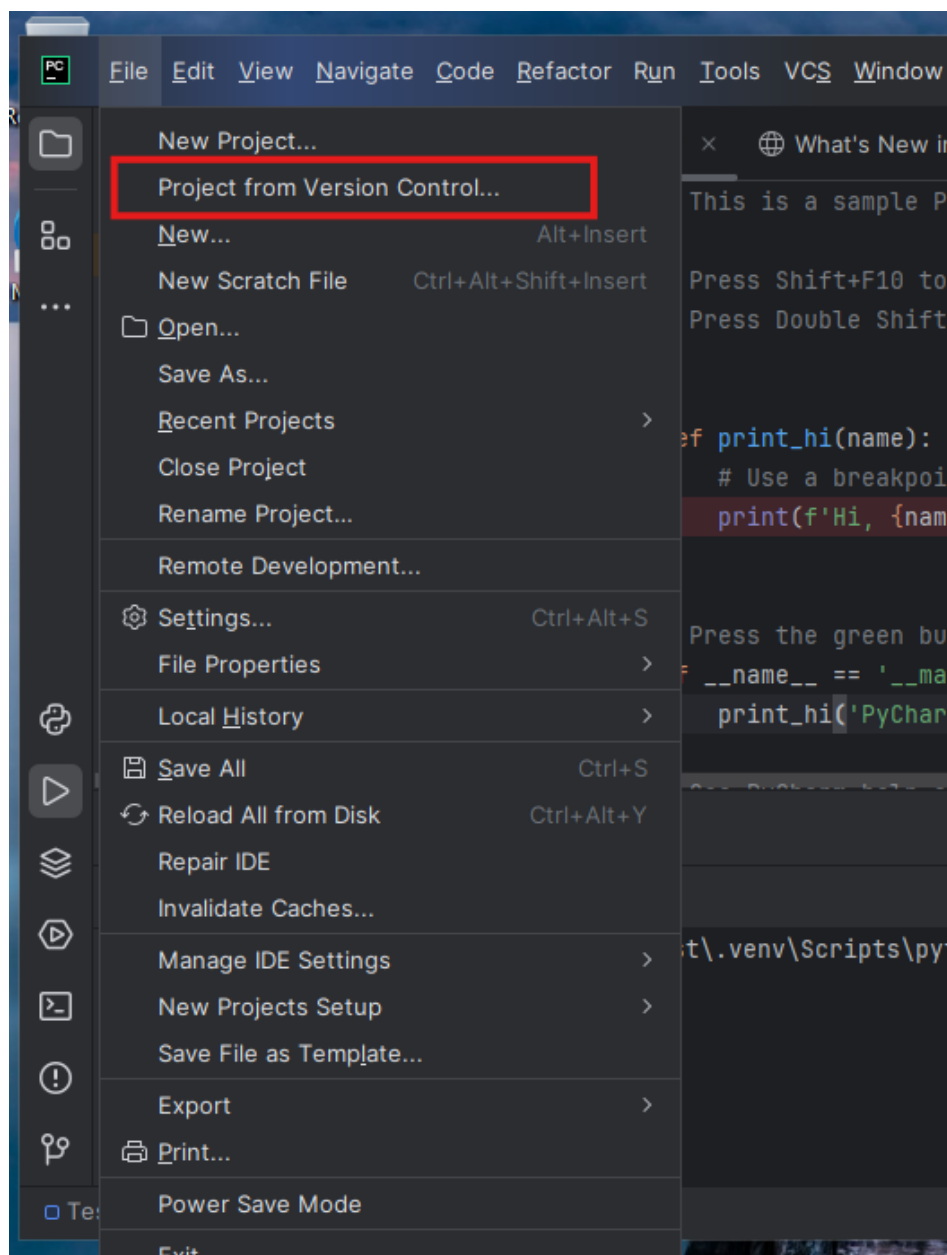
3.3 Odpalenie podstawowego kodu Pycharm

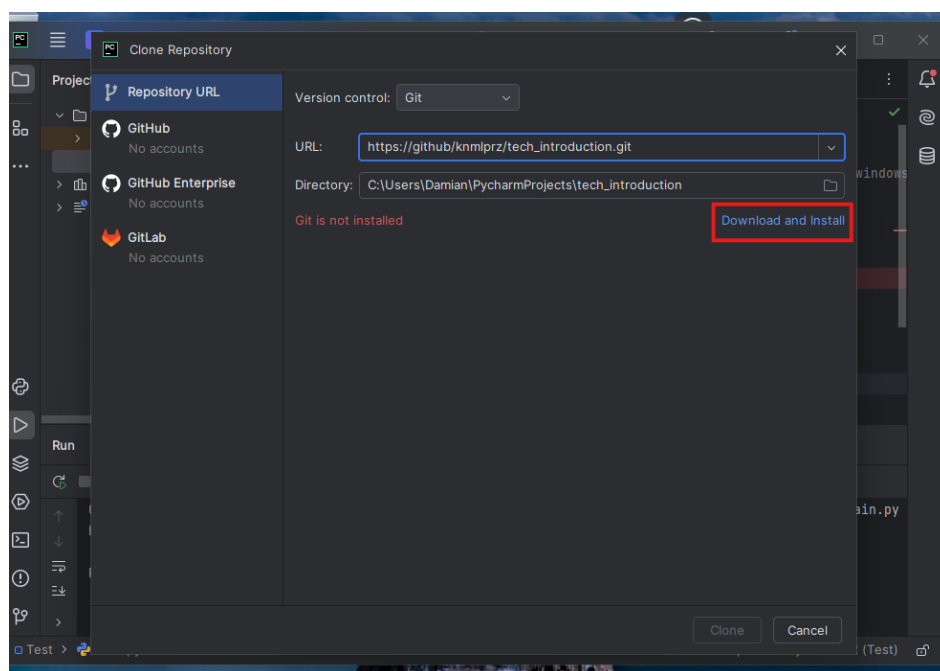




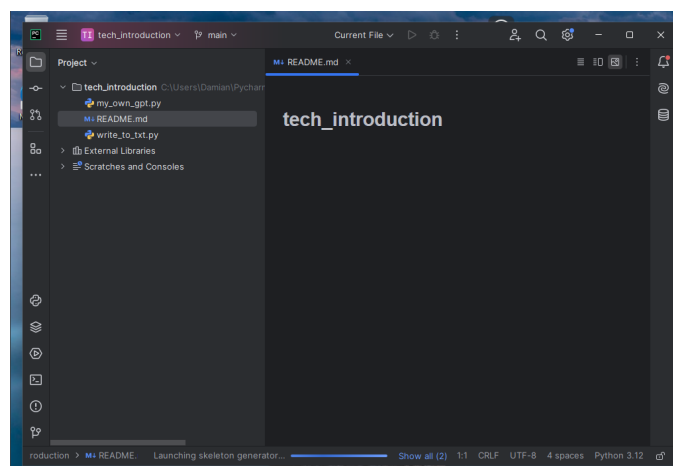
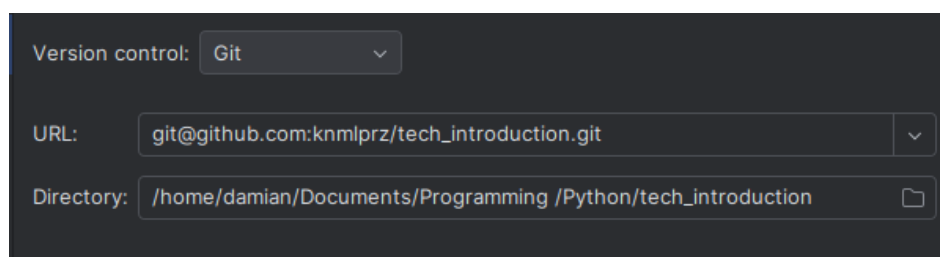


3.4 Odpal projekt szkoleniowy



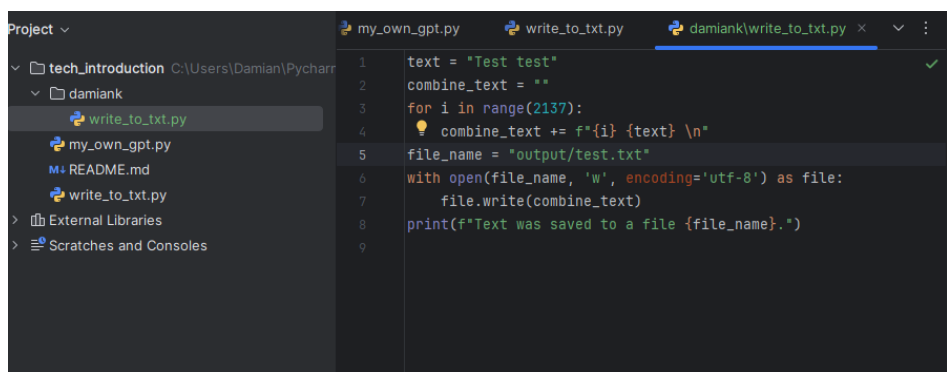
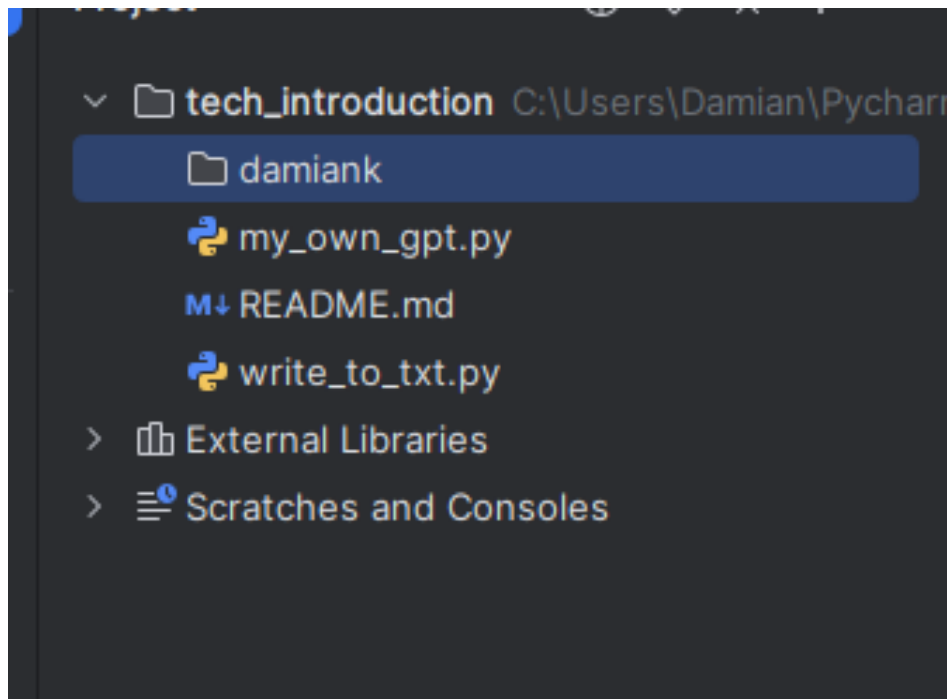


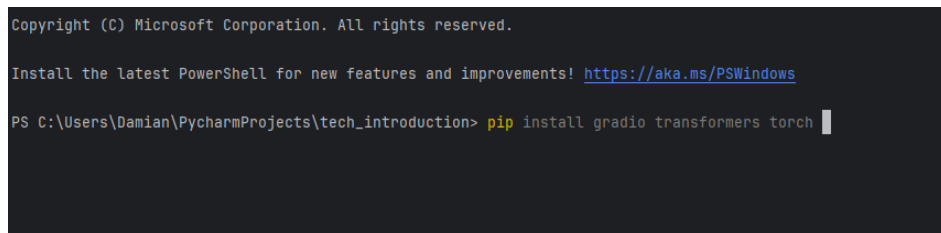
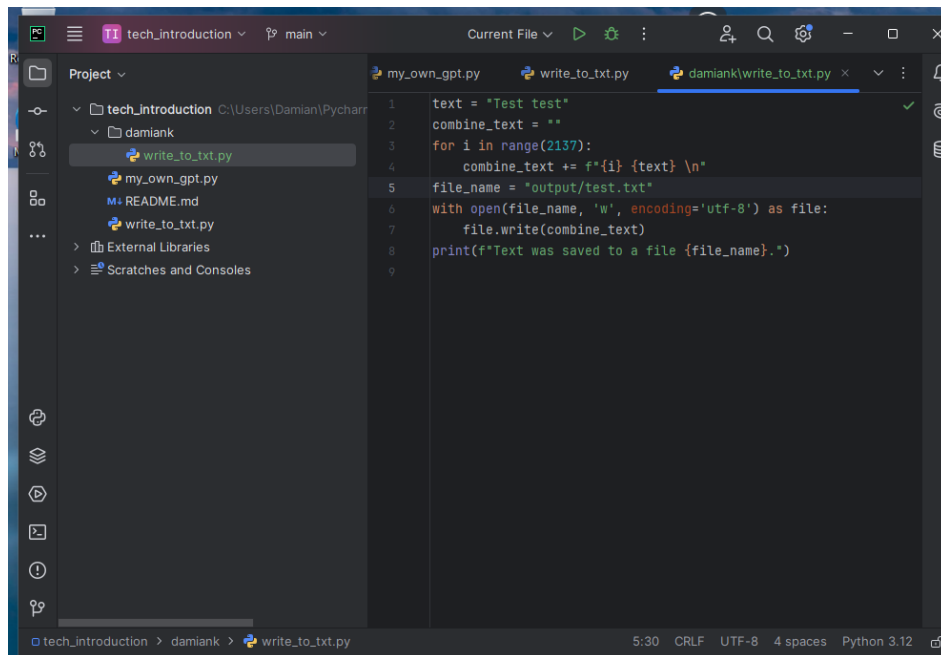
Upewnij się, że url jest ścieżką SSH - BARDZO WAŻNE.



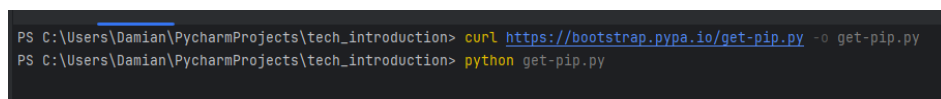
Wykorzystaj nie HTTPS, tylko SSH.

3.5 Dodanie swoich zmian



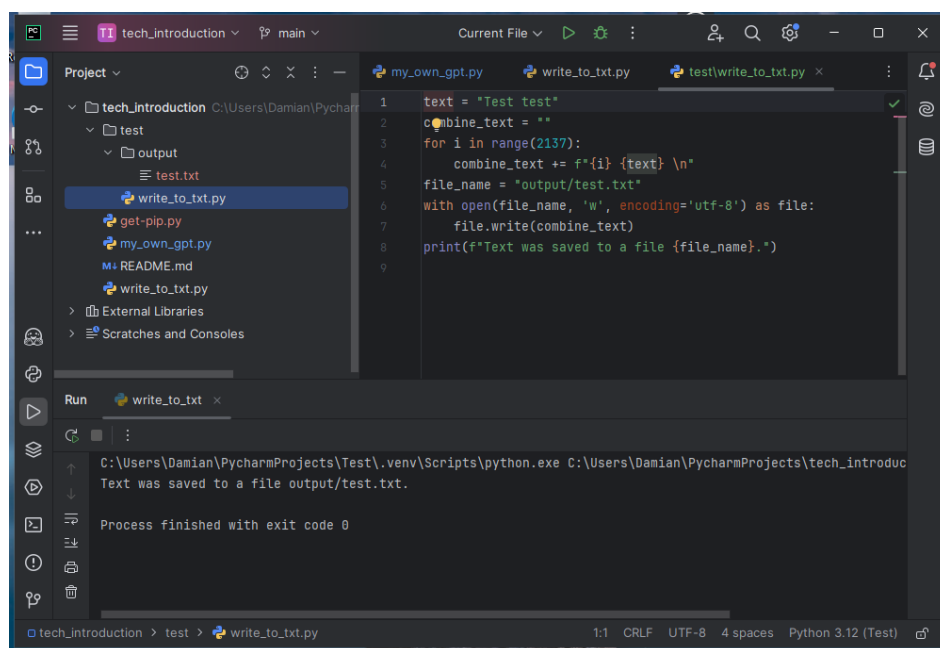
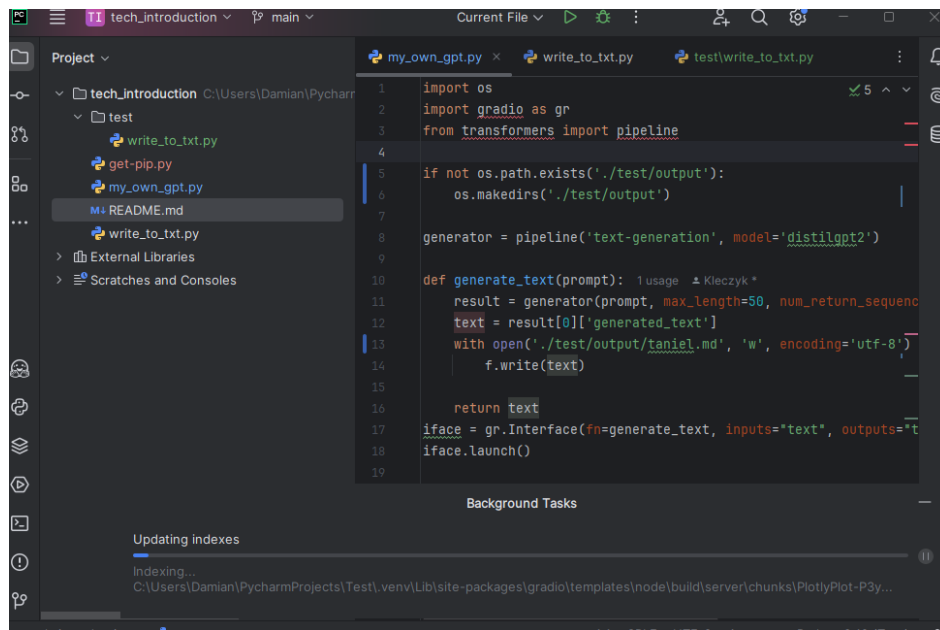


`pip install gradio transformers torch`

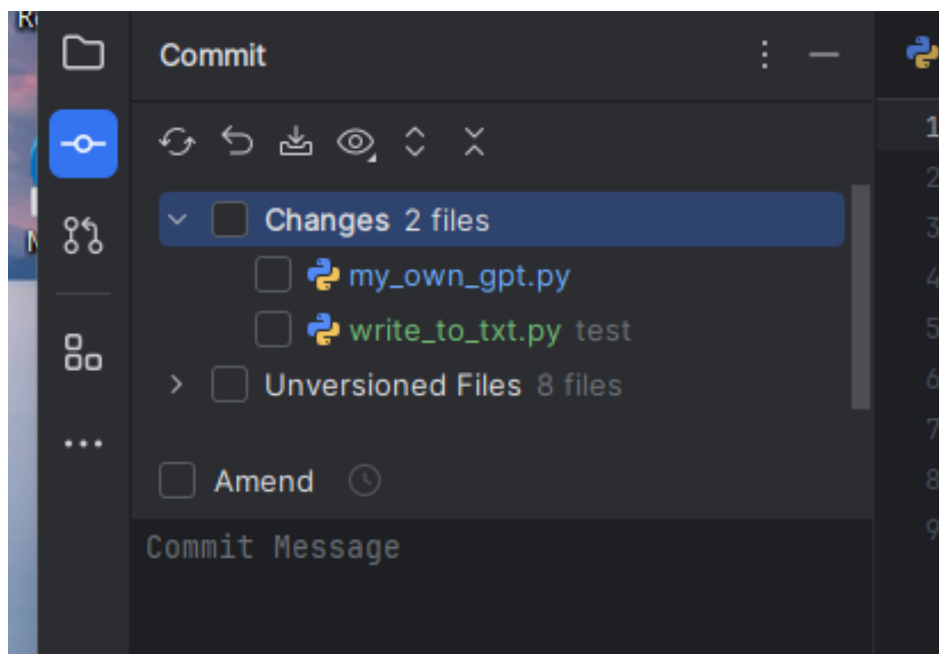
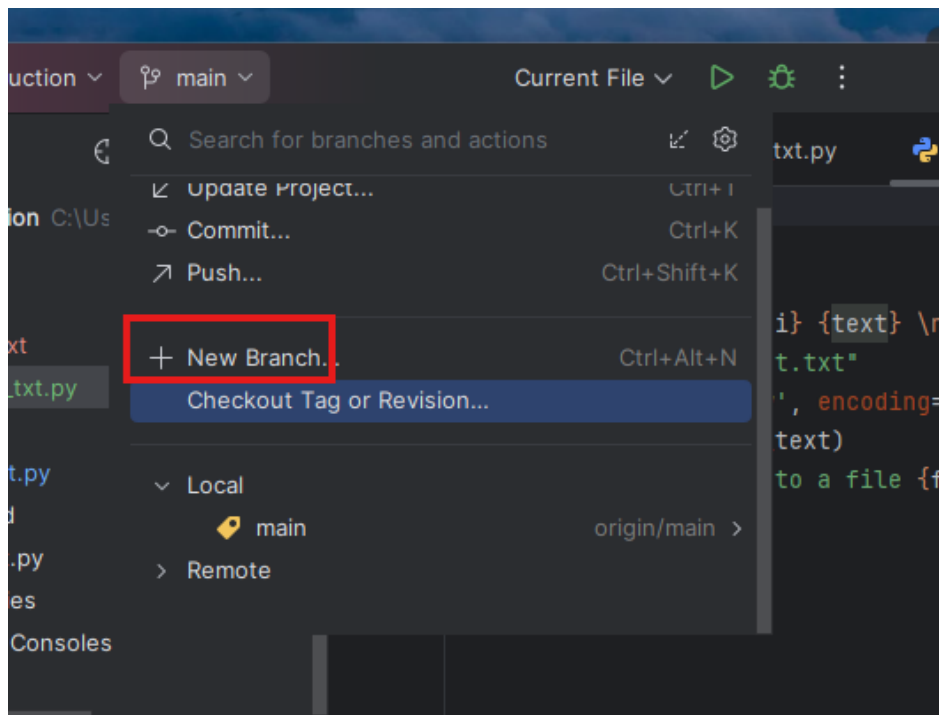


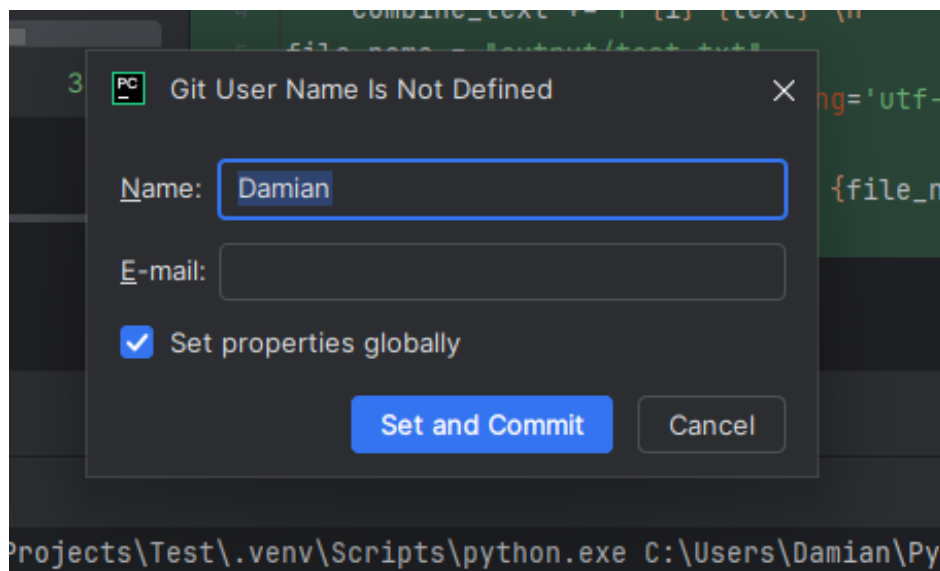
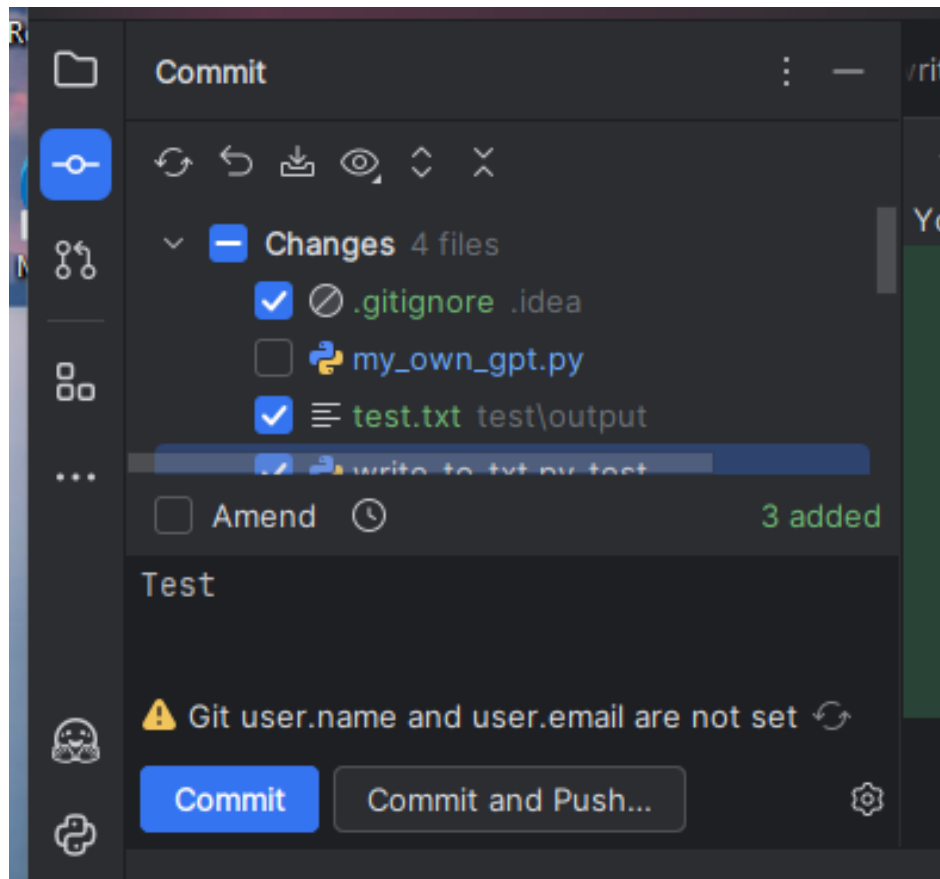
`curl https://bootstrap.pypa.io/get-pip.py -o get-pip.py`
`python -o get-pip.py`

Zamknij i włącz terminal

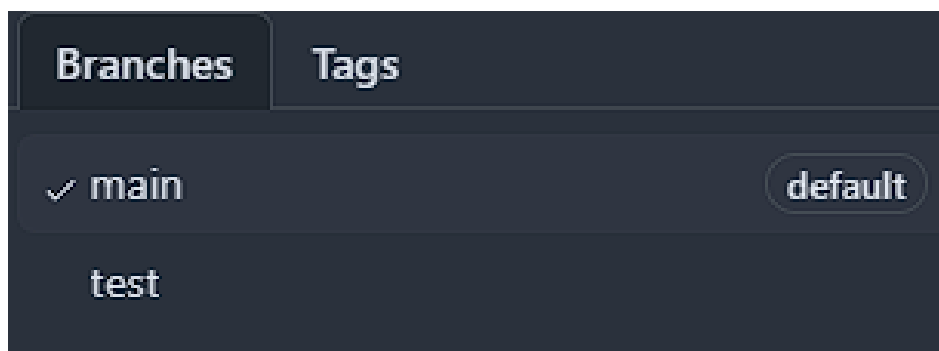
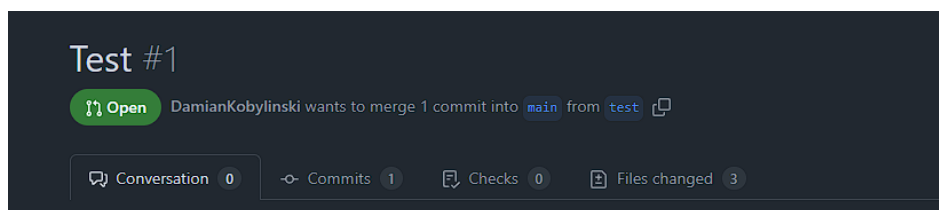
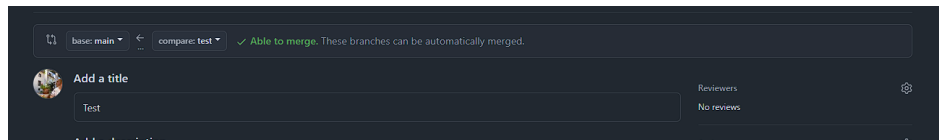
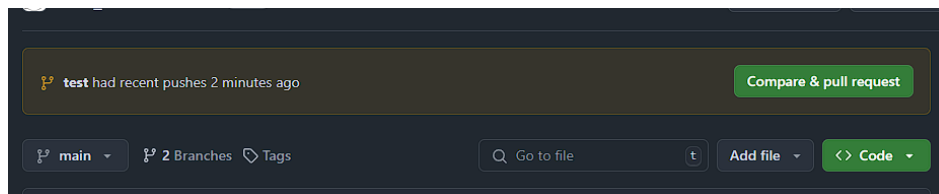


3.6 Git podstawy





3.7 Pull Request



4 SSH

Tworzenie klucza SSH w Windowsie i wrzucenie kod SSH do GitHub'a

```
PS C:\WINDOWS\system32> ssh-keygen -t ed25519 -C "damian[REDACTED]"
Generating public/private ed25519 key pair.
Enter file in which to save the key (C:\Users\[REDACTED]\.ssh/id_ed25519): _
```

```
ssh-keygen -t ed25519 <email>
```

Jezeli nie działa tworzenie klucza, to trzeba zainstalować OpenSSH

```
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>
```










```
Get-Service -Name ssh-agent | Set-Service -StartupType Manual
Start-Service ssh-agent
```

```
PS C:\WINDOWS\system32> ssh-add C:/Users/Damian/.ssh/id_ed25519
Identity added: C:/Users/Damian/.ssh/id_ed25519 (damiankob12@gmail.com)
PS C:\WINDOWS\system32> _
```

```
ssh-add <ścieżka do klucza>
```

```
PS C:\WINDOWS\system32> cat C:/Users/[REDACTED]/.ssh/id_ed25519.pub
ssh-ed25519 A[REDACTED] k damian[REDACTED]
PS C:\WINDOWS\system32>
```

```
cat <ścieżka do klucza>.pub
```

-  Your profile
-  Your repositories
-  Your Copilot
-  Your projects
-  Your stars
-  Your gists
-  Your organizations
-  Your enterprises
-  Your sponsors

 Try Enterprise

 Feature preview





 Settings

 GitHub Docs






 GitHub Support


 GitHub Community


 Sign out


-  Account
-  Appearance
-  Accessibility
-  Notifications

Access

-  Billing and plans 
-  Emails
-  Password and authentication
-  Sessions


 SSH and GPG keys


 Organizations


 Enterprises

 Moderation 


Code, planning, and automation


 Repositories

 Codespaces

 Packages

 Copilot

 Pages

 Saved replies

SSH keys

[New SSH key](#)

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

You have successfully added the key



5 Policy

W razie jakby wyskoczył błąd związany z ExecutionPolicy, to trzeba wykonać poniższe kroki.

```
PS C:\WINDOWS\system32> Set-ExecutionPolicy -ExecutionPolicy RemoteSigned -Scope CurrentUser

Execution Policy Change
The execution policy helps protect you from scripts that you do not trust. Changing the execution policy might expose
you to the security risks described in the about_Execution_Policies help topic at
https://go.microsoft.com/fwlink/?linkID=135170. Do you want to change the execution policy?
[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "N"): Y
PS C:\WINDOWS\system32>
```

Set-ExecutionPolicy -ExecutionPolicy RemoteSigned -Scope CurrentUser

```
C:\Users\Damian\PycharmProjects\Test\.venv\Scripts\python.exe C:\Users\Damian\PycharmProjects\tech_introduc
Microsoft Visual C++ Redistributable is not installed, this may lead to the DLL load failure.
It can be downloaded at https://aka.ms/vs/16/release/vc\_redist.x64.exe
Traceback (most recent call last):
  File "C:\Users\Damian\PycharmProjects\tech_introduction\my_own_gpt.py", line 3, in <module>
    from transformers import pipeline
  File "C:\Users\Damian\PycharmProjects\Test\.venv\Lib\site-packages\transformers\__init__.py", line 26, in
```