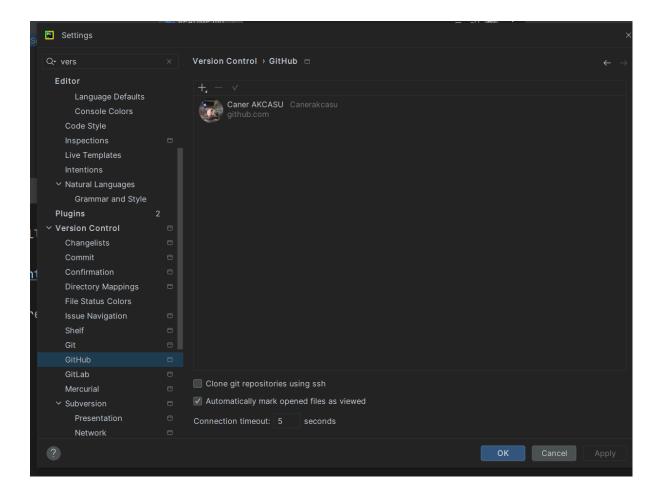
## Software Build Automation Tools - GIT Automation Lab Report

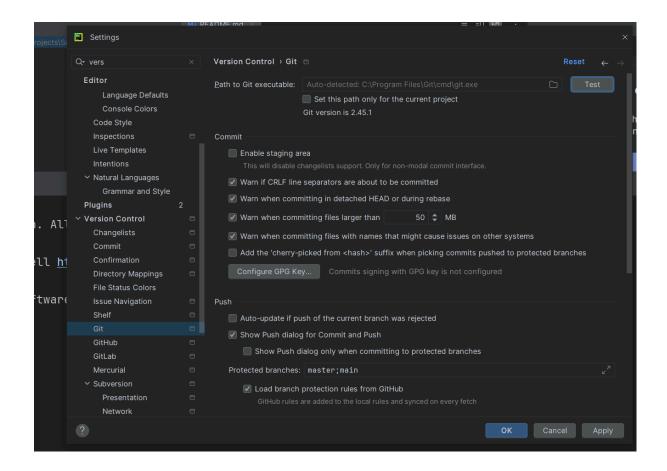
## TASK4

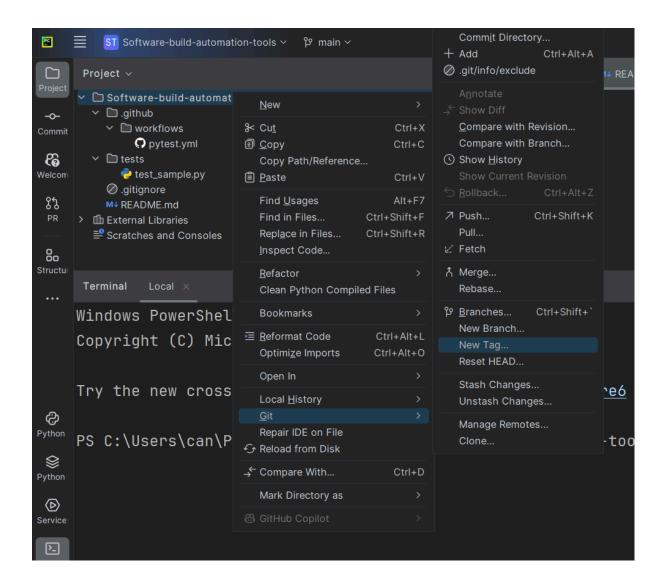
Caner akcasu

github: <a href="https://github.com/Canerakcasu/Software-build-automation-tools">https://github.com/Canerakcasu/Software-build-automation-tools</a>

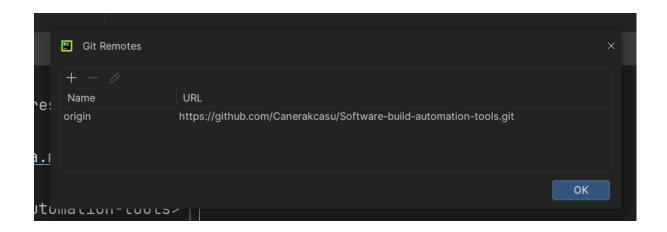


Configured Git in PyCharm by providing the path to the Git executable and testing the connection.





Initialized Git version control in the project. PyCharm now tracks all file changes and enables version control operations like commit, push, branch management, and more.



Defined the remote GitHub repository URL under the name origin. This allows local changes to be pushed to GitHub.

```
to read about a specific subcommand or concept.

See 'git help git' for an overview of the system.

PS C:\Users\can\PycharmProjects\Software-build-automation-tools> git pull

Already up to date.

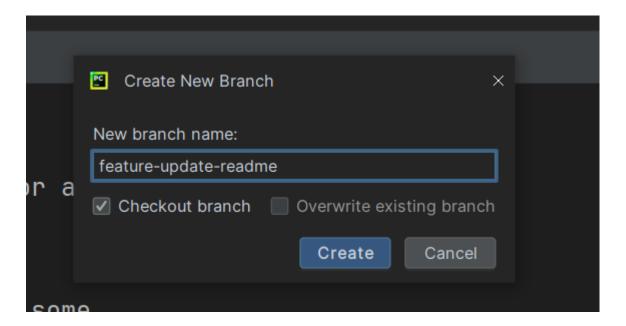
PS C:\Users\can\PycharmProjects\Software-build-automation-tools> git push

Everything up-to-date

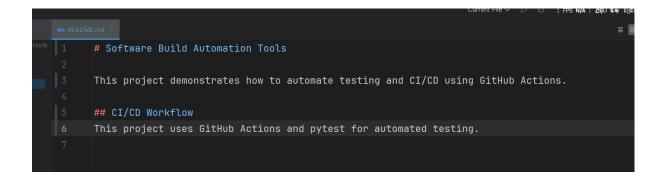
PS C:\Users\can\PycharmProjects\Software-build-automation-tools>

OSoftware-build-automation-tools>

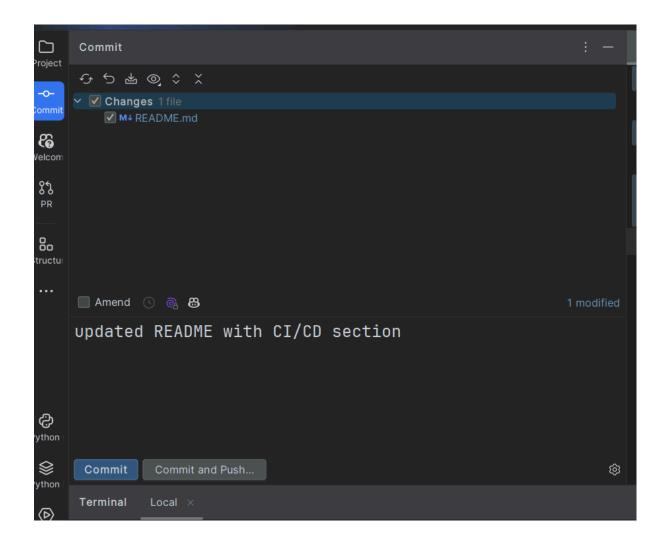
M*README.md
```

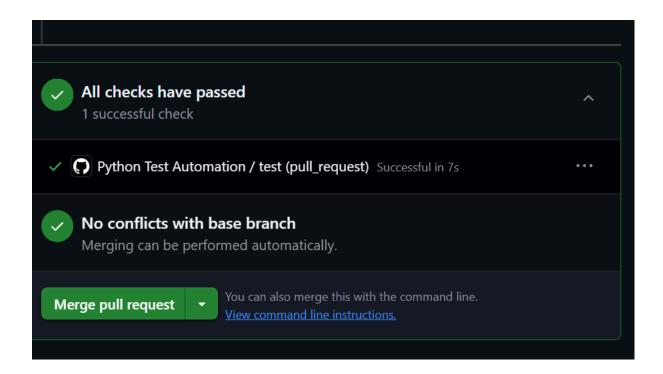


Created a new feature branch feature-update-readme for making isolated changes

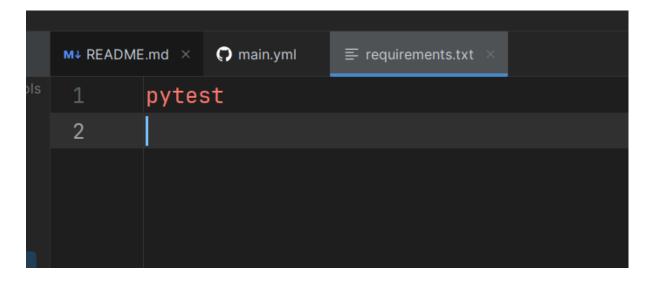


I opened the README.md file in PyCharm and added a description of the CI/CD workflow used in the project. This helps explain the purpose of the automation setup to anyone viewing the repository.





Created a pull request to merge the feature-update-readme branch into main. This includes documentation about the CI/CD process in the README.



I created the requirements.txt file in the root directory of the project. This file lists the necessary dependencies, in this case, pytest, which will be used by GitHub Actions during the CI pipeline to install the required packages.

```
+ FULLYQUALITIEGETROPIG : COMMANGNOTFOUNDEXCEPTION

PS C:\Users\can\PycharmProjects\Software-build-automation-tools> git push
Enumerating objects: 9, done.

Counting objects: 100% (9/9), done.

Delta compression using up to 4 threads

Compressing objects: 100% (4/4), done.

Writing objects: 100% (6/6), 694 bytes | 694.00 KiB/s, done.

Total 6 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)

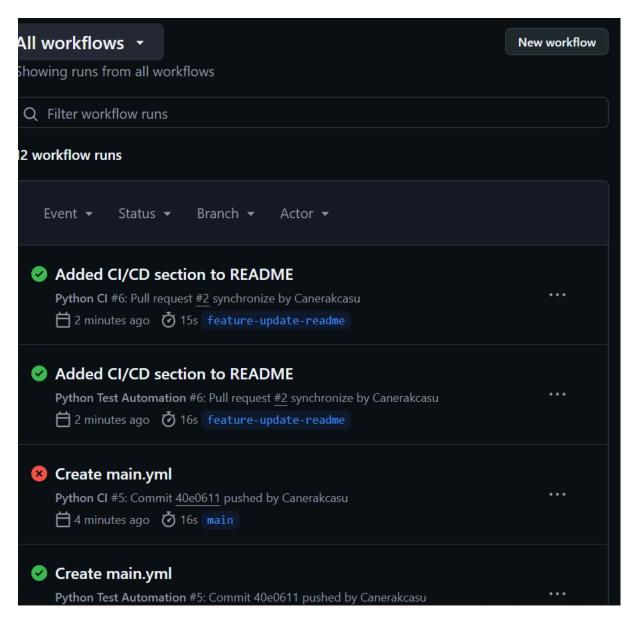
remote: Resolving deltas: 100% (1/1), completed with 1 local object.

To https://github.com/Canerakcasu/Software-build-automation-tools.git

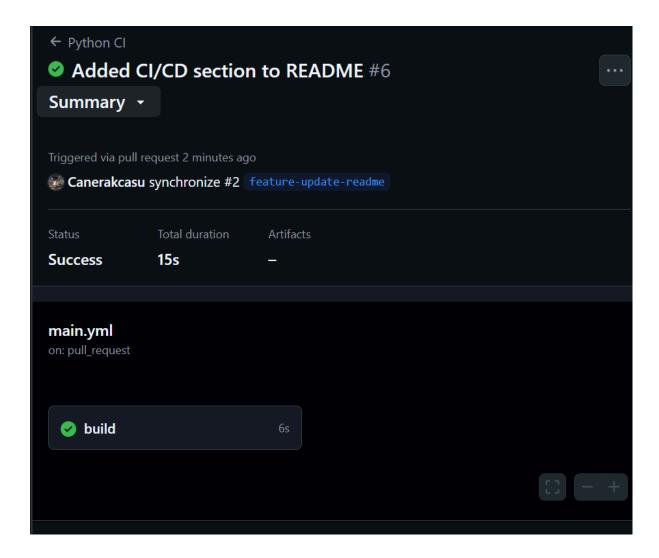
2b134dd..bf4b81a feature-update-readme -> feature-update-readme

PS C:\Users\can\PycharmProjects\Software-build-automation-tools>
```

After creating the requirements.txt file, I committed the changes and pushed them to GitHub. This allows GitHub Actions to access the file and install the necessary dependencies during the CI process.



I checked the GitHub Actions tab to confirm that the CI pipeline was triggered correctly after pushing the changes. The pipeline ran successfully and the tests passed.



I reviewed the details of the job in the GitHub Actions tab. The tests ran successfully, and I confirmed that all checks passed, indicating that the CI process is working as expected.