1. Git clone istniejącego repozytorium na gihub:

```
C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem>git clone https://github.com/karokru1/cw_praca_z_kodem.git
Cloning into 'cw_praca_z_kodem'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
```

Pobranie plików z moodla

w drugim oknie cmd

```
C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>python --version
Python 3.11.2

C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>python -m venv tutorial-env

C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>tutorial-env\Scripts\activate
```

2. Utworzenie folderu templates i dodanie plików index.html oraz hello.html. Dodanie zmian do repozytorium na githubie

```
C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>git status
On branch master_1
Your branch is up to date with 'origin/master_1'.

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

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        requirements.txt
        templates/

no changes added to commit (use "git add" and/or "git commit -a")

C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>git add .
warning: in the working copy of 'app.py', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'requirements.txt', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'templates/hello.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'templates/index.html', LF will be replaced by CRLF the next time Git touches it

C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>git commit -m "Added changes to repo"
[master_1 2111496] Added changes to repo
 4 files changed, 32 insertions(+)
 create mode 100644 requirements.txt
 create mode 100644 templates/hello.html
 create mode 100644 templates/index.html

C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>git push
info: please complete authentication in your browser...
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 8 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (7/7), 859 bytes | 859.00 KiB/s, done.
Total 7 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/karokru1/cw_praca_z_kodem.git
   7fdc1a3..2111496  master_1 -> master_1
```

3. Utworzenie pliku Makefile

```
C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>type nul > Makefile

C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>git status
On branch master_1
Your branch is up to date with 'origin/master_1'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Makefile
```

Dodanie pliku Makefile do repozytorium na githubie

```
C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>git add Makefile

C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>git commit -m "added Makefile"
[master_1 5a3e01a] added Makefile
 1 file changed, 2 insertions(+)
 create mode 100644 Makefile

C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 325 bytes | 325.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/karokru1/cw_praca_z_kodem.git
   2111496..5a3e01a  master_1 -> master_1
```
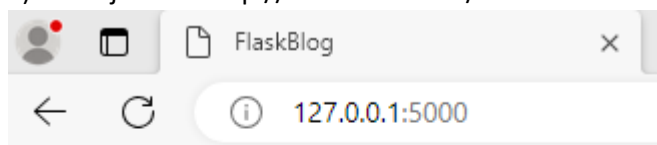
4. Brak dodanego make do Windows
   ręcznie wykonałam komendy
   pip install –r requirements.txt
   flask run

```
(tutorial-env) C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>flask run
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
```
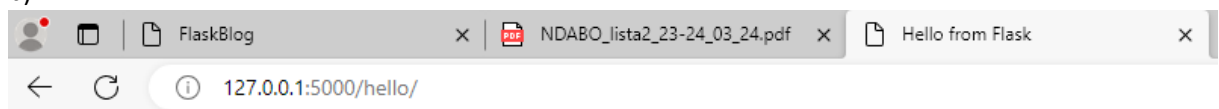
5. a) Po wejściu na http://127.0.0.1:5000/

Welcome to FlaskBlog

```
C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>curl http://127.0.0.1:5000/
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>FlaskBlog</title>
</head>
<body>
    <h1>Welcome to FlaskBlog</h1>
</body>
</html>
```
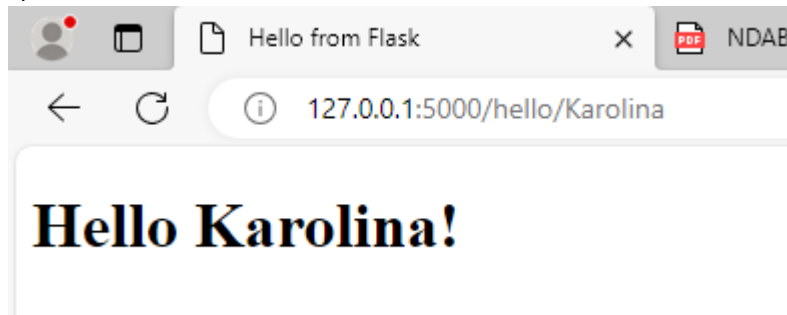
b)

Hello, World!

```
C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>curl http://127.0.0.1:5000/hello
<!doctype html>
<html lang=en>
<title>Redirecting...</title>
<h1>Redirecting...</h1>
<p>You should be redirected automatically to the target URL: <a href="http://127.0.0.1:5000/hello/">http://127.0.0.1:500
0/hello/</a>. If not, click the link.
```

```
C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>curl http://127.0.0.1:5000/hello/
<!doctype html>
<title>Hello from Flask</title>

    <h1>Hello, World!</h1>
```

c)


```
C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>curl http://127.0.0.1:5000/hello/Karolina
<!doctype html>
<title>Hello from Flask</title>

    <h1>Hello Karolina!</h1>

C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>
```

6. Zmiana name

```
C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>curl http://127.0.0.1:5000/hello/
<!doctype html>
<title>Hello from Flask</title>

    <h1>Hello Karolina!</h1>
```

zamiast world, wyświetli się wprowadzone imię

7.

```
C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>pip install pylint
Defaulting to user installation because normal site-packages is not writeable
Collecting pylint
  Obtaining dependency information for pylint from https://files.pythonhosted.org/packages/4d/2b/dfcf298607c73c3af47d5a6
99c3bd84ba580f1b8642a53ba2a53eead7c49/pylint-3.1.0-py3-none-any.whl.metadata
  Downloading pylint-3.1.0-py3-none-any.whl.metadata (12 kB)
Requirement already satisfied: platformdirs>=2.2.0 in c:\users\vdi-terminal\appdata\roaming\python\python311\site-packag
es (from pylint) (4.0.0)
Collecting astroid<=3.2.0-dev0,>=3.1.0 (from pylint)
  Obtaining dependency information for astroid<=3.2.0-dev0,>=3.1.0 from https://files.pythonhosted.org/packages/ed/1c/ee
18acf9070f77253954b7d71b4c0cf8f5969fb23067d8f1a8793573ba00/astroid-3.1.0-py3-none-any.whl.metadata
```

zakończenie

```
Downloading tomlkit-0.12.4-py3-none-any.whl (37 kB)
Installing collected packages: tomlkit, mccabe, isort, dill, astroid, pylint
  WARNING: The scripts isort-identify-imports.exe and isort.exe are installed in 'C:\Users\vdi-terminal\AppData\Roaming\
Python\Python311\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
  WARNING: The scripts pylint-config.exe, pylint.exe, pyreverse.exe and symilar.exe are installed in 'C:\Users\vdi-termi
nal\AppData\Roaming\Python\Python311\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed astroid-3.1.0 dill-0.3.8 isort-5.13.2 mccabe-0.7.0 pylint-3.1.0 tomlkit-0.12.4

[notice] A new release of pip is available: 23.2.1 -> 24.0
[notice] To update, run: python.exe -m pip install --upgrade pip
```

8.

```
C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>git add Makefile

C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>git commit -m "added pytlint in Makefile"
[master_1 405f180] added pytlint in Makefile
 1 file changed, 3 insertions(+), 1 deletion(-)

C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 362 bytes | 181.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/karokru1/cw_praca_z_kodem.git
   2527af9..405f180  master_1 -> master_1
```

9. Na Windows nie działa make, nie został dodany.

Wykonałam za pomocą komendy

python –m pylint app.py

```
C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>pylint app.py
'pylint' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\vdi-terminal\github_karokru1\cw_praca_z_kodem\cw_praca_z_kodem>python -m pylint app.py
************* Module app
app.py:1:0: C0114: Missing module docstring (missing-module-docstring)
app.py:7:0: C0116: Missing function or method docstring (missing-function-docstring)
app.py:13:0: C0116: Missing function or method docstring (missing-function-docstring)
app.py:2:0: W0611: Unused escape imported from markupsafe (unused-import)

------------------------------------
Your code has been rated at 4.29/10
```

10. Plik README.md zawiera ważne informacje o projekcie takie jak instalacja środowiska,
czasami ustawienia środowiska, w jaki sposób uruchamiać projekt, w jaki sposób uruchamiać
testy jednostkowe, integracyjne czy komponentowe. W pliku README.md możemy dodać
najważniejsze informacje o projekcie, które pozwolą innym użytkownikom zrozumieć jak
uruchomić kod.

Zmiany zostały dodane do repozytorium na Githubie

Jak sprawdzić wersję Python:

```
python --version
```

Jak utworzyć wirtualne środowisko dla Python:

```
python -m venv tutorial-env
```

Jak uruchomić wirtualne środowisko dla Python na Windows:

```
tutorial-env\Scripts\activate
```

Jak zainstalować wymagane biblioteki:

```
make install
```

w przypadku problemów z make, instalacje środowiska można wykonać z:

```
pip install -r requirements.txt
```

Jak zamknąć wirtualne środowisko dla Python na Windows:

```
deactivate
```

Jak uruchomić aplikacje flask:

```
make run
```

w przypadku problemów z make:

```
flask run
```

Jak dodać pylint:

```
make lin
```

w przypadku problemów z make:

```
pip install pylint
```

Jak uruchomić pylint:

z cmd dla Windows:

```
python -m pylint app.py
```