1. venv

```
C:\Users\vdi-student>python -m venv venv

C:\Users\vdi-student>python
Python 3.11.2 (tags/v3.11.2:878ead1, Feb  7 2023, 16:38:35) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> exit
Use exit() or Ctrl-Z plus Return to exit
>>> exit()

C:\Users\vdi-student>cd venv

C:\Users\vdi-student\venv>cd Scripts
```

```
C:\Users\vdi-student\venv\Scripts>activate.bat

(venv) C:\Users\vdi-student\venv\Scripts>
```

2 i 3.

```
(venv) C:\Users\vdi-student\cw_praca_z_kodem>git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        deleted:    templates /hello.html
        deleted:    templates /index.html

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

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


(venv) C:\Users\vdi-student\cw_praca_z_kodem>git add Makefile

(venv) C:\Users\vdi-student\cw_praca_z_kodem>git add templates
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

(venv) C:\Users\vdi-student\cw_praca_z_kodem>git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   Makefile
        deleted:    templates
        renamed:    templates /hello.html -> templates/hello.html
        renamed:    templates /index.html -> templates/index.html
```

```
(venv) C:\Users\vdi-student\cw_praca_z_kodem>git commit -m"added new files to repository"
[main 64355a4] added new files to repository
 Committer: student-wroclaw <student-wroclaw@EDU-WSB.local>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

 files changed, 3 insertions(+), 2 deletions(-)
 create mode 100644 Makefile
 delete mode 100644 templates
 rename {templates => templates}/hello.html (100%)
 rename {templates => templates}/index.html (89%)

(venv) C:\Users\vdi-student\cw_praca_z_kodem>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

(venv) C:\Users\vdi-student\cw_praca_z_kodem>git push
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 681 bytes | 681.00 KiB/s, done.
Total 6 (delta 1), reused 1 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/IdianaStellae/cw_praca_z_kodem.git
   9184cc3..64355a4  main -> main
```

4.

```
student-wroclaw@MX1-Prog-042 MINGW64 ~/cw_praca_z_kodem (main)
$ pip install -r requirements.txt
Defaulting to user installation because normal site-packages is not writeable
Collecting Flask==2.3.2 (from -r requirements.txt (line 1))
  Downloading Flask-2.3.2-py3-none-any.whl.metadata (3.7 kB)
Requirement already satisfied: Werkzeug>=2.3.3 in c:\program files\python311\lib\site-packages (from Flask==2.3.2->-r requirements.txt (line 1)) (
3.0.1)
Requirement already satisfied: Jinja2>=3.1.2 in c:\program files\python311\lib\site-packages (from Flask==2.3.2->-r requirements.txt (line 1)) (3.
1.3)
Collecting itsdangerous>=2.1.2 (from Flask==2.3.2->-r requirements.txt (line 1))
  Downloading itsdangerous-2.1.2-py3-none-any.whl.metadata (2.9 kB)
Collecting click>=8.1.3 (from Flask==2.3.2->-r requirements.txt (line 1))
  Downloading click-8.1.7-py3-none-any.whl.metadata (3.0 kB)
Collecting blinker>=1.6.2 (from Flask==2.3.2->-r requirements.txt (line 1))
  Downloading blinker-1.7.0-py3-none-any.whl.metadata (1.9 kB)
Requirement already satisfied: colorama in c:\program files\python311\lib\site-packages (from click>=8.1.3->Flask==2.3.2->-r requirements.txt (lin
e 1)) (0.4.6)
Requirement already satisfied: MarkupSafe>=2.0 in c:\program files\python311\lib\site-packages (from Jinja2>=3.1.2->Flask==2.3.2->-r requirements.
txt (line 1)) (2.1.5)
Downloading Flask-2.3.2-py3-none-any.whl (96 kB)
   ------------------------------------- 96.9/96.9 kB 2.7 MB/s eta 0:00:00
Downloading blinker-1.7.0-py3-none-any.whl (13 kB)
Downloading click-8.1.7-py3-none-any.whl (97 kB)
   ------------------------------------- 97.9/97.9 kB 1.1 MB/s eta 0:00:00
Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Installing collected packages: itsdangerous, click, blinker, Flask
  WARNING: The script flask.exe is installed in 'C:\Users\vdi-student\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 Flask-2.3.2 blinker-1.7.0 click-8.1.7 itsdangerous-2.1.2

student-wroclaw@MX1-Prog-042 MINGW64 ~/cw_praca_z_kodem (main)
$ |
```

```
(venv) C:\Users\vdi-student\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

(venv) C:\Users\vdi-student\cw_praca_z_kodem>
```

5a
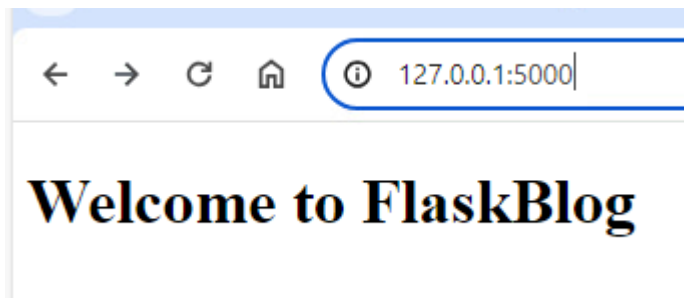

```
C:\Users\vdi-student>curl http://127.0.0.1:5000/
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>FlaskBlog</title>
</head>
<body>
    <h1>Welcome to FlaskBlog</h1>
</body>
</html>
C:\Users\vdi-student>
```
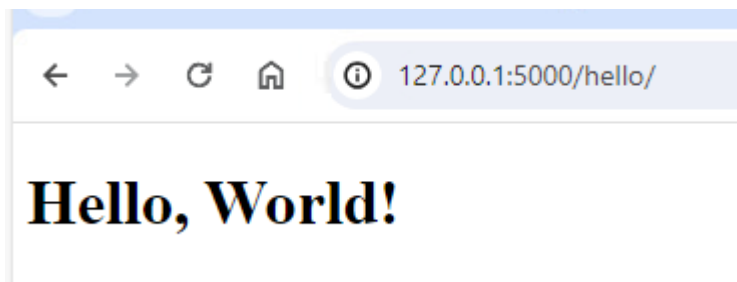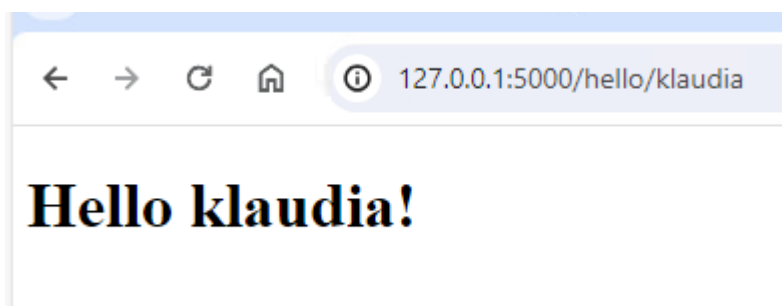
5b


```
C:\Users\vdi-student>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-student>
```

5c
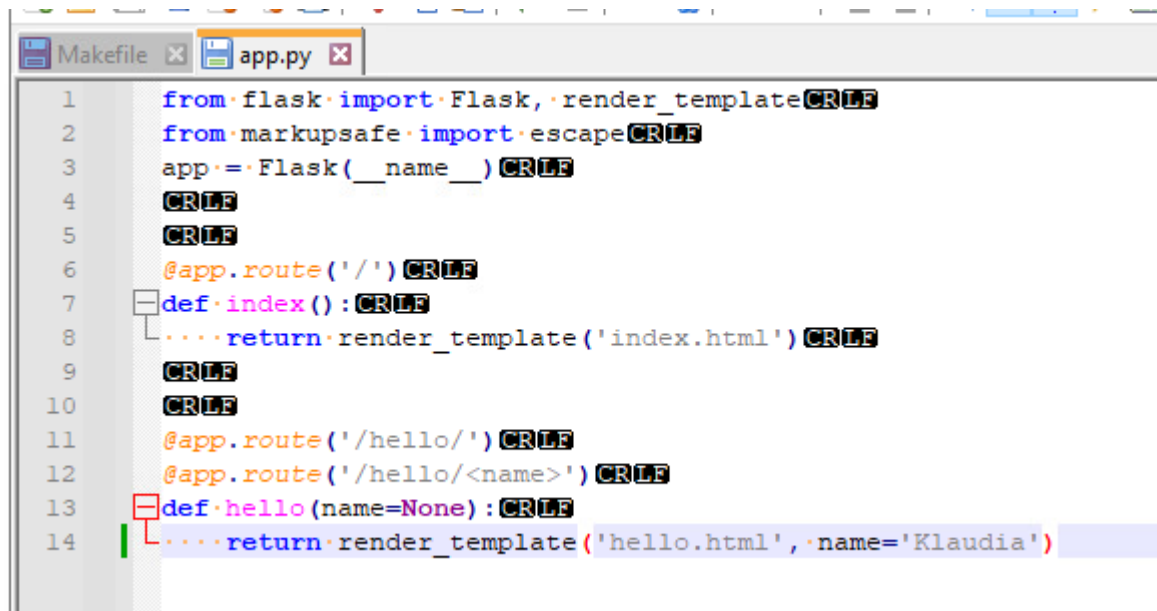
```
C:\Users\vdi-student>curl http://127.0.0.1:5000/hello/klaudia
<!doctype html>
<title>Hello from Flask</title>

  <h1>Hello klaudia!</h1>

C:\Users\vdi-student>
```

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```
Makefile ☒   app.py ☒
1        from flask import Flask, render_template CRLF
2        from markupsafe import escape CRLF
3        app = Flask(__name__) CRLF
4        CRLF
5        CRLF
6        @app.route('/') CRLF
7        def index(): CRLF
8            return render_template('index.html') CRLF
9        CRLF
10       CRLF
11       @app.route('/hello/') CRLF
12       @app.route('/hello/<name>') CRLF
13       def hello(name=None): CRLF
14           return render_template('hello.html', name='Klaudia')
```
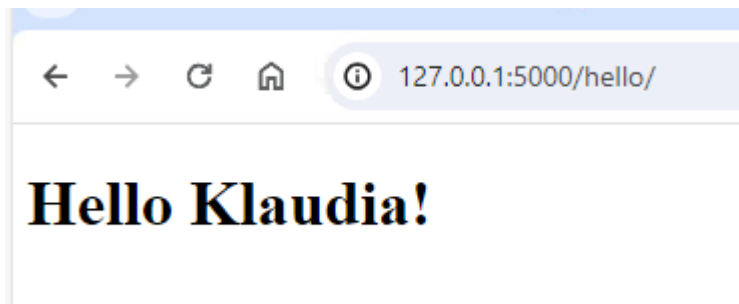
← → C ⌂ ⓘ 127.0.0.1:5000/hello/

Hello Klaudia!

```
C:\Users\vdi-student>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-student>
```

Zamiast printowac hello world, printuje hello klaudia

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Plik readme zawiera podstawowe informacje o projekcie, instruckej dotyczące instalacji oraz uruchamiwnia. Jest to dokumentacja, która pomaga użytkownikowi zrozumieć jak korzystać z projektu.

link do repozytorium:

https://github.com/IdianaStellae/cw_praca_z_kodem.git