

1 Requirements

1. Windows operative system
2. Python installed and working on console (see the manual for python installation).

2 Virtual enviroment creation

You can create your virtual enviroment wherever you want, however is recomended to create it in a folder or place that is easy to find, for that we will use the desktop.

1. Open the console and write:

Листинг 1:

```
cd Desktop
```

2. Create the virtual enviroment:

Листинг 2:

```
python -m venv my_venv
```

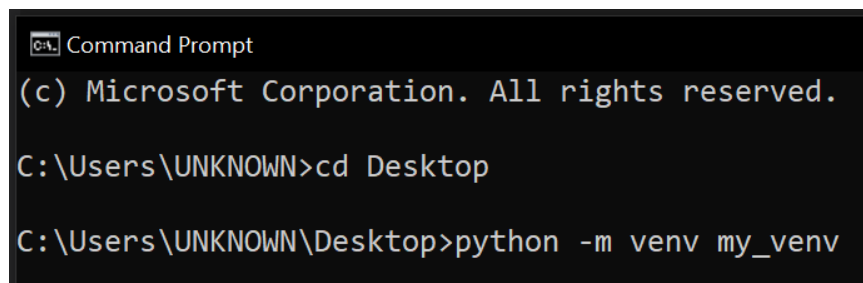


Рис. 1:

3 Activate the virtual enviroment

before installing django the just created virtual enviroment has to be activated.

1. enter the just created folder (my_venv)

Листинг 3:

```
cd my_venv
```

2. type the activation command:

Листинг 4:

```
Scripts\activate
```

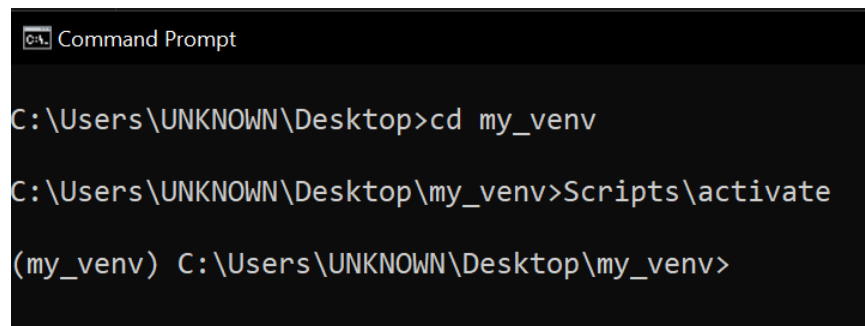


Рис. 2:

4 Install Django

1. type the installation command

Листинг 5:

```
pip install django
```

2. check django is successfully installed

Листинг 6:

```
pip list
```

```
Command Prompt

(my_venv) C:\Users\UNKNOWN\Desktop\my_venv>pip install django
Collecting django
  Using cached Django-4.2-py3-none-any.whl (8.0 MB)
Collecting asgiref<4,>=3.6.0
  Using cached asgiref-3.6.0-py3-none-any.whl (23 kB)
Collecting sqlparse>=0.3.1
  Using cached sqlparse-0.4.4-py3-none-any.whl (41 kB)
Collecting tzdata
  Using cached tzdata-2023.3-py2.py3-none-any.whl (341 kB)
Installing collected packages: tzdata, sqlparse, asgiref, django
Successfully installed asgiref-3.6.0 django-4.2 sqlparse-0.4.4 tzdata-2023.3

[notice] A new release of pip available: 22.3.1 -> 23.1
[notice] To update, run: python.exe -m pip install --upgrade pip

(my_venv) C:\Users\UNKNOWN\Desktop\my_venv>pip list
Package      Version
-----
asgiref      3.6.0
Django       4.2
pip          22.3.1
setuptools   65.5.0
sqlparse     0.4.4
tzdata       2023.3

[notice] A new release of pip available: 22.3.1 -> 23.1
[notice] To update, run: python.exe -m pip install --upgrade pip

(my_venv) C:\Users\UNKNOWN\Desktop\my_venv>
```

Рис. 3:

5 Check the just installed django

1. start a new project (write your name where "studentName" is written)

Листинг 7:

```
django-admin startproject siteStudentName
```

2. create a database

Листинг 8:

```
python manage.py migrate
```

3. run the development webserver

Листинг 9:

```
python manage.py runserver
```

4. write the next direction into the browser and press enter:

Листинг 10:

```
http\\:127.0.0.1:8000
```

5. check that the default django page appears

Листинг 11:

```
http\\:127.0.0.1:8000
```

```
Command Prompt

(my_venv) C:\Users\UNKNOWN\Desktop\my_venv>pip install django
Collecting django
  Using cached Django-4.2-py3-none-any.whl (8.0 MB)
Collecting asgiref<4,>=3.6.0
  Using cached asgiref-3.6.0-py3-none-any.whl (23 kB)
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  Using cached tzdata-2023.3-py2.py3-none-any.whl (341 kB)
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(my_venv) C:\Users\UNKNOWN\Desktop\my_venv>pip list
Package      Version
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asgiref      3.6.0
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tzdata       2023.3

[notice] A new release of pip available: 22.3.1 -> 23.1
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(my_venv) C:\Users\UNKNOWN\Desktop\my_venv>
```

Рис. 4: