

In folder: D:\kurs_python\homework10

virtualenv -p python3 env

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PS D:\kurs_python\homework10> virtualenv -p python3 env
created virtual environment CPython3.11.0.final.0-64 in 3511ms
creator CPython3Windows(dest=D:\kurs_python\homework10\env, clear=False, no_vcs_ignore=False, global=False)
```

In folder: D:\kurs_python\homework10\env\scripts

.\activate.ps1

In folder: D:\kurs_python\homework10

pip install numpy

pip install matplotlib

pip install pandas

```
PS D:\kurs_python\homework10\env\Scripts> Set-ExecutionPolicy RemoteSigned

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 for the current session?
[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "N"): a
PS D:\kurs_python\homework10\env\Scripts> .\activate.ps1
(env) PS D:\kurs_python\homework10\env\Scripts> cd ..
(env) PS D:\kurs_python\homework10\env> cd ..
(env) PS D:\kurs_python\homework10> pip install numpy
Collecting numpy
  Downloading numpy-1.24.3-cp311-cp311-win_amd64.whl (14.8 MB)
    .....: 11.0/10.0 MB 24.7 MB/s eta 0:00:00
Installing collected packages: numpy
Successfully installed numpy-1.24.3
(env) PS D:\kurs_python\homework10> pip install matplotlib
Collecting matplotlib
  Downloading matplotlib-3.7.1-cp311-cp311-win_amd64.whl (7.6 MB)
    .....: 5.0/5.0 MB 24.7 MB/s eta 0:00:00
Collecting contourpy>=1.0.1 (from matplotlib)
  Downloading contourpy-1.0.7-cp311-cp311-win_amd64.whl (162 kB)
    .....: 102.0/100.0 kB 11.1 MB/s eta 0:00:00
Collecting cycler>=0.10 (from matplotlib)
  Downloading cycler-0.11.0-py3-none-any.whl (6.4 kB)
Collecting fonttools>=4.22.0 (from matplotlib)
  Downloading fonttools-4.39.4-py3-none-any.whl (1.0 MB)
    .....: 730/1.0 MB 11.1 MB/s eta 0:00:00
Collecting kiwisolver>=1.0.1 (from matplotlib)
  Downloading kiwisolver-1.4.4-cp311-cp311-win_amd64.whl (55 kB)
    .....: 55.0/55.0 kB 11.1 MB/s eta 0:00:00
Requirement already satisfied: numpy>=1.20 in d:\kurs_python\homework10\env\lib\site-packages (from matplotlib) (1.24.3)
Collecting packaging>=20.0 (from matplotlib)
  Downloading packaging-21.1-py3-none-any.whl (40 kB)
    .....: 40.0/40.0 kB 11.1 MB/s eta 0:00:00
Collecting pillow>=6.2.0 (from matplotlib)
  Downloading pillow-9.5.0-cp311-cp311-win_amd64.whl (2.5 MB)
    .....: 2.5/2.5 MB 11.1 MB/s eta 0:00:00
Collecting pyparsing>=2.3.1 (from matplotlib)
  Using cached pyparsing-3.0.9-py3-none-any.whl (98 kB)
Collecting python-dateutil>=2.7 (from matplotlib)
  Downloading python_dateutil-2.8.2-py3-none-any.whl (247 kB)
    .....: 247.0/247.0 kB 11.1 MB/s eta 0:00:00
```