

In folder: E:\kurs_Python\homework10

python.exe -m venv env

E:\kurs_Python\homework10\env\Scripts\activate

E:\kurs_Python\homework10\env\Scripts\pip.exe install numpy

```
PS E:\kurs_Python\homework10> E:\kurs_Python\homework10\env\Scripts\pip.exe install numpy
Collecting numpy
  Using cached numpy-1.24.3-cp311-cp311-win_amd64.whl (14.8 MB)
Installing collected packages: numpy
Successfully installed numpy-1.24.3

[notice] A new release of pip available: 22.3.1 -> 23.1.2
[notice] To update, run: E:\kurs_Python\homework10\env\Scripts\python.exe -m pip install --upgrade pip
```

E:\kurs_Python\homework10> E:\kurs_Python\homework10\env\Scripts\pip.exe install matplotlib

```
PS E:\kurs_Python\homework10> E:\kurs_Python\homework10\env\Scripts\pip.exe install matplotlib
Collecting matplotlib
  Using cached matplotlib-3.7.1-cp311-cp311-win_amd64.whl (7.6 MB)
Collecting contourpy>=1.0.1
  Using cached contourpy-1.0.7-cp311-cp311-win_amd64.whl (162 kB)
Collecting cycler>=0.10
  Using cached cycler-0.11.0-py3-none-any.whl (6.4 kB)
Collecting fonttools>=4.22.0
  Using cached fonttools-4.39.4-py3-none-any.whl (1.0 MB)
Collecting kiwisolver>=1.0.1
  Using cached kiwisolver-1.4.4-cp311-cp311-win_amd64.whl (55 kB)
Requirement already satisfied: numpy>=1.20 in e:\kurs_python\homework10\env\lib\site-packages (from matplotlib) (1.24.3)
Collecting packaging>=20.0
  Using cached packaging-23.1-py3-none-any.whl (48 kB)
Collecting pillow>=6.2.0
  Using cached Pillow-9.5.0-cp311-cp311-win_amd64.whl (2.5 MB)
Collecting pyparsing>=2.3.1
  Using cached pyparsing-3.0.9-py3-none-any.whl (98 kB)
Collecting python-dateutil>=2.7
  Using cached python_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
Collecting six>=1.5
  Using cached six-1.16.0-py2.py3-none-any.whl (11 kB)
Installing collected packages: six, pyparsing, pillow, packaging, kiwisolver, fonttools, cycler, contourpy, python-dateutil, matplotlib
Successfully installed contourpy-1.0.7 cycler-0.11.0 fonttools-4.39.4 kiwisolver-1.4.4 matplotlib-3.7.1 pillow-9.5.0 pyparsing-3.0.9 python-dateutil-2.8.2 six-1.16.0

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[notice] To update, run: E:\kurs_Python\homework10\env\Scripts\python.exe -m pip install --upgrade pip
```

E:\kurs_Python\homework10\env\Scripts\pip.exe install pandas

```
PS E:\kurs_Python\homework10> E:\kurs_Python\homework10\env\Scripts\pip.exe install pandas
Collecting pandas
  Downloading pandas-2.0.1-cp311-cp311-win_amd64.whl (10.6 MB)
    ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 10.6/10.6 MB 2.8 MB/s eta 0:00:00
Requirement already satisfied: python-dateutil>=2.8.2 in e:\kurs_python\homework10\env\lib\site-packages (from pandas) (2.8.2)
Collecting pytz>=2020.1
  Downloading pytz-2023.3-py2.py3-none-any.whl (502 kB)
    ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 502.3/502.3 MB 3.1 MB/s eta 0:00:00
Collecting tzdata>=2022.1
  Downloading tzdata-2023.3-py2.py3-none-any.whl (341 kB)
    ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 341.8/341.8 MB 2.7 MB/s eta 0:00:00
Requirement already satisfied: numpy>=1.21.0 in e:\kurs_python\homework10\env\lib\site-packages (from pandas) (1.24.3)
Requirement already satisfied: six>=1.5 in e:\kurs_python\homework10\env\lib\site-packages (from python-dateutil>=2.8.2->pandas) (1.16.0)
Installing collected packages: pytz, tzdata, pandas
Successfully installed pandas-2.0.1 pytz-2023.3 tzdata-2023.3

[notice] A new release of pip available: 22.3.1 -> 23.1.2
[notice] To update, run: E:\kurs_Python\homework10\env\Scripts\python.exe -m pip install --upgrade pip
```

Ten komputer > Nowy (E:) > kurs_Python > homework10 > env				
	Nazwa	Data modyfikacji	Typ	Rozmiar
sobi	Include	21.05.2023 16:12	Folder plików	
	Lib	21.05.2023 16:12	Folder plików	
	Scripts	21.05.2023 16:19	Folder plików	
	share	21.05.2023 16:19	Folder plików	
	pyvenv.cfg	21.05.2023 16:12	Plik CFG	1 KB

<div> <div></div> <div>Ten komputer > Nowy (E:) > kurs_Python > homework10 > env > Lib > site-packages</div> </div>				
Nazwa	Data modyfikacji	Typ	Rozmiar	
contourpy-1.0.7.dist-info	21.05.2023 16:20	Folder plików		
cycler-0.11.0.dist-info	21.05.2023 16:19	Folder plików		
dateutil	21.05.2023 16:20	Folder plików		
fontTools	21.05.2023 16:19	Folder plików		
fonttools-4.39.4.dist-info	21.05.2023 16:19	Folder plików		
kiwisolver	21.05.2023 16:19	Folder plików		
kiwisolver-1.4.4.dist-info	21.05.2023 16:19	Folder plików		
matplotlib	21.05.2023 16:20	Folder plików		
matplotlib.libs	21.05.2023 16:20	Folder plików		
matplotlib-3.7.1.dist-info	21.05.2023 16:20	Folder plików		
mpl_toolkits	21.05.2023 16:20	Folder plików		
numpy	21.05.2023 16:18	Folder plików		
numpy-1.24.3.dist-info	21.05.2023 16:19	Folder plików		
packaging	21.05.2023 16:19	Folder plików		
packaging-23.1.dist-info	21.05.2023 16:19	Folder plików		
pandas	21.05.2023 16:22	Folder plików		
pandas-2.0.1.dist-info	21.05.2023 16:23	Folder plików		
PIL	21.05.2023 16:19	Folder plików		
Pillow-9.5.0.dist-info	21.05.2023 16:19	Folder plików		
pip	21.05.2023 16:12	Folder plików		
pip-22.3.1.dist-info	21.05.2023 16:12	Folder plików		
pkg_resources	21.05.2023 16:12	Folder plików		
pyparsing	21.05.2023 16:19	Folder plików		
pyparsing-3.0.9.dist-info	21.05.2023 16:19	Folder plików		
python_dateutil-2.8.2.dist-info	21.05.2023 16:20	Folder plików		
pytz	21.05.2023 16:22	Folder plików		