

[illegible]

```
Podgląd Terminal 6 paź 09:33 student@PCL187: ~  
python=3.10.4The following specifications were found to be incompatible with your system:  
- feature:/linux-64::__glibc==2.31=0  
- feature:/linux-64::__glibc==2.31=0  
- anaconda -> libgcc-ng==9.3.0-h510ec0_17 -> __glibc[version='>=2.17']  
Your installed version is: 2.31  
  
(base) student@PCL187:~$ y  
y: nie znaleziono polecenia  
(base) student@PCL187:~$ source activate marcinryznar  
Could not find conda environment: marcinryznar  
You can list all discoverable environments with 'conda info --envs'.  
  
(base) student@PCL187:~$ conda info -e  
# conda environments:  
#  
RobertKozlarski /home/student/.conda/envs/RobertKozlarski  
jakubrajs /home/student/.conda/envs/jakubrajs  
jakubszczudlo /home/student/.conda/envs/jakubszczudlo  
katarzynawatorska /home/student/.conda/envs/katarzynawatorska  
malgorzataurucka /home/student/.conda/envs/malgorzataurucka  
mareklechowicz /home/student/.conda/envs/mareklechowicz  
michalswlectlo /home/student/.conda/envs/michalswlectlo  
michalswlectlo /home/student/.conda/envs/michalswlectlo  
nadiajanrozik /home/student/.conda/envs/nadiajanrozik  
norbertpodgorski /home/student/.conda/envs/norbertpodgorski  
szymonbrozyna /home/student/.conda/envs/szymonbrozyna  
test /home/student/.conda/envs/test  
wojciechwoszczek /home/student/.conda/envs/wojciechwoszczek  
base * /home/user/anaconda3  
  
(base) student@PCL187:~$ conda activate marcinryznar  
Could not find conda environment: marcinryznar  
You can list all discoverable environments with 'conda info --envs'.  
  
(base) student@PCL187:~$ conda activate marcinryznar  
Could not find conda environment: marcinryznar  
You can list all discoverable environments with 'conda info --envs'.  
  
(base) student@PCL187:~$ conda activate (marcinryznar)  
bash: błęd składni przy nieoczekiwanym znaczniku '('  
(base) student@PCL187:~$ source activate marcinryznar  
Could not find conda environment: marcinryznar  
You can list all discoverable environments with 'conda info --envs'.  
  
(base) student@PCL187:~$ conda create --name marcinryznar  
Collecting package metadata (current_repodata.json): done  
Solving environment: done  
  
==> WARNING: A newer version of conda exists. <==  
current version: 4.10.1  
latest version: 22.9.0
```

```
Podgląd Terminal 6 paź 09:33 student@PCL187: ~  
Collecting package metadata (current_repodata.json): done  
Solving environment: done  
  
==> WARNING: A newer version of conda exists. <==  
current version: 4.10.1  
latest version: 22.9.0  
  
Please update conda by running  
$ conda update -n base -c defaults conda  
  
## Package Plan ##  
  
environment location: /home/student/.conda/envs/marcinryznar  
  
Proceed ([y]/n)? y  
  
Preparing transaction: done  
Verifying transaction: done  
Executing transaction: done  
#  
# To activate this environment, use  
#  
# $ conda activate marcinryznar  
#  
# To deactivate an active environment, use  
#  
# $ conda deactivate  
#  
(base) student@PCL187:~$ source activate marcinryznar  
(marcinryznar) student@PCL187:~$ conda info -e  
# conda environments:  
#  
RobertKozlarski /home/student/.conda/envs/RobertKozlarski  
jakubrajs /home/student/.conda/envs/jakubrajs  
jakubszczudlo /home/student/.conda/envs/jakubszczudlo  
katarzynawatorska /home/student/.conda/envs/katarzynawatorska  
malgorzataurucka /home/student/.conda/envs/malgorzataurucka  
marcinryznar * /home/student/.conda/envs/marcinryznar  
mareklechowicz /home/student/.conda/envs/mareklechowicz  
michalswlectlo /home/student/.conda/envs/michalswlectlo  
michalswlectlo /home/student/.conda/envs/michalswlectlo  
nadiajanrozik /home/student/.conda/envs/nadiajanrozik  
norbertpodgorski /home/student/.conda/envs/norbertpodgorski  
szymonbrozyna /home/student/.conda/envs/szymonbrozyna  
test /home/student/.conda/envs/test  
wojciechwoszczek /home/student/.conda/envs/wojciechwoszczek  
base /home/user/anaconda3  
  
(marcinryznar) student@PCL187:~$
```

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Podgląd Terminal 6 paź 09:43 student@PCL187: ~  
base /home/user/anaconda3  
(marcinryznar) student@PCL187:~$ conda install -n marcinryznar [package]  
CondaValueError: Invalid package specification: [package]  
(marcinryznar) student@PCL187:~$ conda install -n marcinryznar [pkgs/main]  
CondaValueError: Invalid package specification: [pkgs/main]  
(marcinryznar) student@PCL187:~$ conda install -n marcinryznar ipython  
Collecting package metadata (current_repodata.json): done  
Solving environment: done  
  
==> WARNING: A newer version of conda exists. <==  
current version: 4.10.1  
latest version: 22.9.0  
Please update conda by running  
$ conda update -n base -c defaults conda  
  
## Package Plan ##  
environment location: /home/student/.conda/envs/marcinryznar  
added / updated specs:  
- ipython  
  
The following packages will be downloaded:  


| package                    | build           |        |
|----------------------------|-----------------|--------|
| ._openmp_mutex-5.1         | 1_gnu           | 21 KB  |
| asttokens-2.0.5            | pyhd3eb1b0_0    | 20 KB  |
| ca-certificates-2022.07.19 | h06a4308_0      | 124 KB |
| certifi-2022.9.14          | py310h06a4308_0 | 155 KB |
| decorator-5.1.1            | pyhd3eb1b0_0    | 12 KB  |
| executing-0.8.3            | pyhd3eb1b0_0    | 18 KB  |
| ipython-8.4.0              | py310h06a4308_0 | 975 KB |
| jedi-0.18.1                | py310h06a4308_1 | 988 KB |
| ld_linux-64-2.38           | h1181459_1      | 654 KB |
| libgcc-ng-11.2.0           | h1234567_1      | 5.3 MB |
| libgomp-11.2.0             | h1234567_1      | 474 KB |
| libstdcxx-ng-11.2.0        | h1234567_1      | 4.7 MB |
| matplotlib-inline-0.1.6    | py310h06a4308_0 | 16 KB  |
| ncurses-6.3                | h5eee18b_3      | 781 KB |
| openssl-1.1.1q             | h7f9727e_0      | 2.5 MB |
| parso-0.8.3                | pyhd3eb1b0_0    | 70 KB  |
| pip-22.2.2                 | py310h06a4308_0 | 2.4 MB |
| prompt-toolkit-3.0.20      | pyhd3eb1b0_0    | 259 KB |
| ruamel-yaml-0.17.2         | nuhd3eb1b0_0    | 14 KB  |


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Podgląd Terminal 6 paź 09:47 student@PCL187: ~  
ncurses-6.3 | 781 KB | ##### 100%  
trattlets-5.1.1 | 84 KB | ##### 100%  
stack_data-0.2.0 | 22 KB | ##### 100%  
matplotlib-inline-0.1.6 | 16 KB | ##### 100%  
tk-8.6.12 | 3.6 MB | ##### 100%  
libgomp-11.2.0 | 474 KB | ##### 100%  
parso-0.8.3 | 70 KB | ##### 100%  
executing-0.8.3 | 18 KB | ##### 100%  
openssl-1.1.1q | 2.5 MB | ##### 100%  
Preparing transaction: done  
Verifying transaction: done  
Executing transaction: done  
(marcinryznar) student@PCL187:~$ conda install -n marcinryznar jupyter  
Collecting package metadata (current_repodata.json): done  
Solving environment: done  
  
==> WARNING: A newer version of conda exists. <==  
current version: 4.10.1  
latest version: 22.9.0  
Please update conda by running  
$ conda update -n base -c defaults conda  
  
## Package Plan ##  
environment location: /home/student/.conda/envs/marcinryznar  
added / updated specs:  
- jupyter  
  
The following packages will be downloaded:  


| package                     | build              |        |
|-----------------------------|--------------------|--------|
| anyio-3.5.0                 | py310h06a4308_0    | 168 KB |
| argon2-cffi-21.3.0          | pyhd3eb1b0_0       | 15 KB  |
| argon2-cffi-bindings-21.2.0 | py310h7f9727e_0    | 72 KB  |
| attrs-21.4.0                | pyhd3eb1b0_0       | 51 KB  |
| babel-2.9.1                 | pyhd3eb1b0_0       | 5.5 MB |
| beautifulsoup4-4.11.1       | py310h06a4308_0    | 188 KB |
| bleach-4.1.0                | pyhd3eb1b0_0       | 123 KB |
| brotlipy-0.7.0              | py310h7f9727e_1002 | 712 KB |
| cffi-1.15.1                 | py310h74dc2b5_0    | 407 KB |
| charset-normalizer-2.0.4    | pyhd3eb1b0_0       | 35 KB  |
| cryptography-37.0.1         | py310h06a4308_0    | 1.5 MB |
| debugpy-1.5.1               | py310h295c915_0    | 1.7 MB |
| entrypoints-0.4             | py310h06a4308_0    | 16 KB  |
| expat-2.4.9                 | h6a78d05_0         | 156 KB |
| freetype-2.11.0             | h78c8345_0         | 618 KB |
| giflib-5.2.1                | h7b6447c_0         | 78 KB  |
| glib-2.69.1                 | haff5a7b_1         | 1.7 MB |


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Podgląd Terminal 6 paź 09:47 student@PCL187: ~  
jpeg-9e | 248 KB | ##### | 100%  
jupyter_console-6.4. | 23 KB | ##### | 100%  
jinja2-3.0.3 | 106 KB | ##### | 100%  
nbclassic-0.3.5 | 22 KB | ##### | 100%  
babel-2.9.1 | 6.5 MB | ##### | 100%  
freetype-2.11.0 | 618 KB | ##### | 100%  
beautifulsoup4-4.11. | 188 KB | ##### | 100%  
pysocks-1.7.1 | 28 KB | ##### | 100%  
iso8582-4.10.0 | 139 KB | ##### | 100%  
pyopenssl-22.0.0 | 50 KB | ##### | 100%  
Preparing transaction: done  
Verifying transaction: done  
Executing transaction: done  
(marcinryznar) student@PCL187:~$ conda install -n marcinryznar matplotlib  
Collecting package metadata (current_repodata.json): done  
Solving environment: done  
  
==> WARNING: A newer version of conda exists. <==  
current version: 4.10.1  
latest version: 22.9.0  
  
Please update conda by running  
  
$ conda update -n base -c defaults conda  
  
## Package Plan ##  
  
environment location: /home/student/.conda/envs/marcinryznar  
added / updated specs:  
- matplotlib  
  
The following packages will be downloaded:  
  
package | build | size  
-----+-----+-----  
brotli-1.0.9 | h5ee18b_7 | 18 KB  
brotli-bin-1.0.9 | h5ee18b_7 | 19 KB  
cycler-0.11.0 | pyh3eb1b0_0 | 12 KB  
intel-openmp-2021.4.0 | h06a4308_3561 | 4.2 MB  
klivisolver-1.4.2 | py310h295c915_0 | 752 KB  
libbrotlicommon-1.0.9 | h5ee18b_7 | 70 KB  
libbrotlides-1.0.9 | h5ee18b_7 | 31 KB  
libbrotlenc-1.0.9 | h5ee18b_7 | 264 KB  
matplotlib-3.5.2 | py310h06a4308_0 | 7 KB  
matplotlib-base-3.5.2 | py310hf590b9c_0 | 7.8 MB  
mkl-2021.4.0 | h06a4308_640 | 142.6 MB  
mkl-service-2.4.0 | py310h7f9727e_0 | 177 KB  
mkl_fft-1.3.1 | py310h06a4308_0 | 567 KB  
mkl_random-1.2.2 | py310h06e091_0 | 1009 KB  
numpy-1.23.1 | py310h1794996_0 | 11 KB  
numpy-base-1.23.1 | py310hcba007f_0 | 14.3 MB
```

```
Podgląd Terminal 6 paź 09:47 student@PCL187: ~  
libbrotlenc | pkgs/main/linux-64:libbrotlenc-1.0.9-h5ee18b_7 | 264 KB | ##### | 100%  
matplotlib | pkgs/main/linux-64:matplotlib-3.5.2-py310h06a4308_0 | 7 KB | ##### | 100%  
matplotlib-base | pkgs/main/linux-64:matplotlib-base-3.5.2-py310hf590b9c_0 | 7.8 MB | ##### | 100%  
mkl | pkgs/main/linux-64:mkl-2021.4.0-h06a4308_640 | 142.6 MB | ##### | 100%  
mkl-service | pkgs/main/linux-64:mkl-service-2.4.0-py310h7f9727e_0 | 177 KB | ##### | 100%  
mkl_fft | pkgs/main/linux-64:mkl_fft-1.3.1-py310h06a4308_0 | 567 KB | ##### | 100%  
mkl_random | pkgs/main/linux-64:mkl_random-1.2.2-py310h06e091_0 | 1009 KB | ##### | 100%  
numkres | pkgs/main/noarch:numkres-1.1.4-py_0 | 11 KB | ##### | 100%  
numpy | pkgs/main/linux-64:numpy-1.23.1-py310h1794996_0 | 11 KB | ##### | 100%  
numpy-base | pkgs/main/linux-64:numpy-base-1.23.1-py310hcba007f_0 | 14.3 MB | ##### | 100%  
pillow | pkgs/main/linux-64:pillow-9.2.0-py310hace64e9_1 | 1.2 MB | ##### | 100%  
  
Proceed ([y]/n)? y  
  
Downloading and Extracting Packages  
libbrotlicommon-1.0.9 | 70 KB | ##### | 100%  
brotli-bin-1.0.9 | 19 KB | ##### | 100%  
intel-openmp-2021.4.0 | 4.2 MB | ##### | 100%  
libbrotlides-1.0.9 | 31 KB | ##### | 100%  
matplotlib-base-3.5.2 | 7.8 MB | ##### | 100%  
brotli-1.0.9 | 18 KB | ##### | 100%  
mkl-2021.4.0 | 142.6 MB | ##### | 100%  
pillow-9.2.0 | 1.2 MB | ##### | 100%  
mkl_random-1.2.2 | 1009 KB | ##### | 100%  
numpy-base-1.23.1 | 14.3 MB | ##### | 100%  
libbrotlenc-1.0.9 | 264 KB | ##### | 100%  
matplotlib-3.5.2 | 7 KB | ##### | 100%  
cycler-0.11.0 | 12 KB | ##### | 100%  
mkl_fft-1.3.1 | 567 KB | ##### | 100%  
klivisolver-1.4.2 | 752 KB | ##### | 100%  
numpy-1.23.1 | 11 KB | ##### | 100%  
mkl-service-2.4.0 | 177 KB | ##### | 100%  
Preparing transaction: done  
Verifying transaction: done  
Executing transaction: done  
(marcinryznar) student@PCL187:~$ conda install -n marcinryznar notebook  
Collecting package metadata (current_repodata.json): done  
Solving environment: done  
  
==> WARNING: A newer version of conda exists. <==  
current version: 4.10.1  
latest version: 22.9.0  
  
Please update conda by running  
  
$ conda update -n base -c defaults conda  
  
# All requested packages already installed.  
(marcinryznar) student@PCL187:~$
```

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Podgląd Terminal 6 paź 09:52 student@PCL187: ~  
# All requested packages already installed.  
(marcinryznar) student@PCL187:~$ conda install -n marcinryznar numpy  
Collecting package metadata (current_repodata.json): done  
Solving environment: done  
  
==> WARNING: A newer version of conda exists. <==  
current version: 4.10.1  
latest version: 22.9.0  
Please update conda by running  
$ conda update -n base -c defaults conda  
  
# All requested packages already installed.  
(marcinryznar) student@PCL187:~$ conda install -n marcinryznar pandas  
Collecting package metadata (current_repodata.json): done  
Solving environment: done  
  
==> WARNING: A newer version of conda exists. <==  
current version: 4.10.1  
latest version: 22.9.0  
Please update conda by running  
$ conda update -n base -c defaults conda  
  
## Package Plan ##  
environment location: /home/student/.conda/envs/marcinryznar  
added / updated specs:  
- pandas  
  
The following packages will be downloaded:  


| package          | build           |         |
|------------------|-----------------|---------|
| bottleneck-1.3.5 | py310ha9d4c09_0 | 274 KB  |
| numexpr-2.8.3    | py310hce2zdg0_0 | 321 KB  |
| pandas-1.4.4     | py310ha67f0d5_0 | 25.5 MB |
| Total:           |                 | 26.1 MB |

  
The following NEW packages will be INSTALLED:  
bottleneck pkgs/main/linux-64::bottleneck-1.3.5-py310ha9d4c09_0
```

```
Podgląd Terminal 6 paź 09:53 student@PCL187: ~  
Proceed ([y]/n)? y  
  
Downloading and Extracting Packages  
numexpr-2.8.3 | 321 KB | ##### | 100%  
pandas-1.4.4 | 25.5 MB | ##### | 100%  
bottleneck-1.3.5 | 274 KB | ##### | 100%  
Preparing transaction: done  
Verifying transaction: done  
Executing transaction: done  
(marcinryznar) student@PCL187:~$ conda install -n marcinryznar seaborn  
Collecting package metadata (current_repodata.json): done  
Solving environment: done  
  
==> WARNING: A newer version of conda exists. <==  
current version: 4.10.1  
latest version: 22.9.0  
Please update conda by running  
$ conda update -n base -c defaults conda  
  
## Package Plan ##  
environment location: /home/student/.conda/envs/marcinryznar  
added / updated specs:  
- seaborn  
  
The following packages will be downloaded:  


| package               | build           |         |
|-----------------------|-----------------|---------|
| fftw-3.3.9            | h27cfd23_1      | 2.3 MB  |
| libgfortran-ng-11.2.0 | h00389a5_1      | 20 KB   |
| libgfortran5-11.2.0   | h1234567_1      | 2.0 MB  |
| scipy-1.9.1           | py310hd5efca0_0 | 67.6 MB |
| Total:                |                 | 72.0 MB |

  
The following NEW packages will be INSTALLED:  
fftw pkgs/main/linux-64::fftw-3.3.9-h27cfd23_1  
libgfortran-ng pkgs/main/linux-64::libgfortran-ng-11.2.0-h00389a5_1  
libgfortran5 pkgs/main/linux-64::libgfortran5-11.2.0-h1234567_1  
scipy pkgs/main/linux-64::scipy-1.9.1-py310hd5efca0_0  
seaborn pkgs/main/noarch::seaborn-0.11.2-pyhd3eb1b0_0  
  
Proceed ([y]/n)? y
```

```
Podgląd Terminal 6 paź 09:53 student@PCL187: ~  
  
Downloading and Extracting Packages  
fftw-3.3.9 | 2.3 MB | ##### | 100%  
libfortran-ng-11.2. | 28 KB | ##### | 100%  
libfortran5-11.2.0 | 2.0 MB | ##### | 100%  
scipy-1.9.1 | 67.6 MB | ##### | 100%  
Preparing transaction: done  
Verifying transaction: done  
Executing transaction: done  
(marcinryznar) student@PCL187:~$ conda install -n marcinryznar q  
Collecting package metadata (current_repodata.json): done  
Solving environment: failed with initial frozen solve. Retrying with flexible solve.  
Collecting package metadata (repodata.json): done  
Solving environment: failed with initial frozen solve. Retrying with flexible solve.  
  
PackagesNotFoundError: The following packages are not available from current channels:  
  
- q  
  
Current channels:  
  
- https://repo.anaconda.com/pkgs/main/linux-64  
- https://repo.anaconda.com/pkgs/main/noarch  
- https://repo.anaconda.com/pkgs/r/linux-64  
- https://repo.anaconda.com/pkgs/r/noarch  
  
To search for alternate channels that may provide the conda package you're  
looking for, navigate to  
  
https://anaconda.org  
  
and use the search bar at the top of the page.  
  
(marcinryznar) student@PCL187:~$ conda install -n marcinryznar python-dotenv  
Collecting package metadata (current_repodata.json): done  
Solving environment: failed with initial frozen solve. Retrying with flexible solve.  
Collecting package metadata (repodata.json): done  
Solving environment: failed with initial frozen solve. Retrying with flexible solve.  
  
PackagesNotFoundError: The following packages are not available from current channels:  
  
- python-dotenv  
  
Current channels:  
  
- https://repo.anaconda.com/pkgs/main/linux-64  
- https://repo.anaconda.com/pkgs/main/noarch  
- https://repo.anaconda.com/pkgs/r/linux-64  
- https://repo.anaconda.com/pkgs/r/noarch  
  
To search for alternate channels that may provide the conda package you're  
looking for, navigate to  
  
https://anaconda.org
```

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Podgląd Terminal 6 paź 09:53 student@PCL187: ~  
  
Collecting package metadata (current_repodata.json): done  
Solving environment: failed with initial frozen solve. Retrying with flexible solve.  
Collecting package metadata (repodata.json): done  
Solving environment: failed with initial frozen solve. Retrying with flexible solve.  
  
PackagesNotFoundError: The following packages are not available from current channels:  
  
- python-dotenv  
  
Current channels:  
  
- https://repo.anaconda.com/pkgs/main/linux-64  
- https://repo.anaconda.com/pkgs/main/noarch  
- https://repo.anaconda.com/pkgs/r/linux-64  
- https://repo.anaconda.com/pkgs/r/noarch  
  
To search for alternate channels that may provide the conda package you're  
looking for, navigate to  
  
https://anaconda.org  
  
and use the search bar at the top of the page.  
  
(marcinryznar) student@PCL187:~$ conda install -n watermark  
EnvironmentLocationNotFound: Not a conda environment: /home/student/.conda/envs/watermark  
  
(marcinryznar) student@PCL187:~$ conda install -n marcinryznar watermark  
Collecting package metadata (current_repodata.json): done  
Solving environment: failed with initial frozen solve. Retrying with flexible solve.  
Collecting package metadata (repodata.json): done  
Solving environment: failed with initial frozen solve. Retrying with flexible solve.  
  
PackagesNotFoundError: The following packages are not available from current channels:  
  
- watermark  
  
Current channels:  
  
- https://repo.anaconda.com/pkgs/main/linux-64  
- https://repo.anaconda.com/pkgs/main/noarch  
- https://repo.anaconda.com/pkgs/r/linux-64  
- https://repo.anaconda.com/pkgs/r/noarch  
  
To search for alternate channels that may provide the conda package you're  
looking for, navigate to  
  
https://anaconda.org  
  
and use the search bar at the top of the page.  
  
(marcinryznar) student@PCL187:~$ conda install -n marcinryznar pytest  
Collecting package metadata (current_repodata.json): done  
Solving environment: done
```



```
Podgląd Terminal 6 paź 09:53 student@PCL187: ~  
https://anaconda.org  
and use the search bar at the top of the page.  
(marcinryznar) student@PCL187:~$ conda install -n marcinryznar pytest  
Collecting package metadata (current_repodata.json): done  
Solving environment: done  
  
==> WARNING: A newer version of conda exists. <==  
current version: 4.10.1  
latest version: 22.9.0  
  
Please update conda by running  
$ conda update -n base -c defaults conda  
  
## Package Plan ##  
  
environment location: /home/student/.conda/envs/marcinryznar  
added / updated specs:  
- pytest  
  
The following packages will be downloaded:  
  
package | build  
-----|-----  
pluggy-1.0.0 | py310h06a4308_1 29 KB  
py-1.11.0 | pyhd3eb1b0_0 76 KB  
pytest-7.1.2 | py310h06a4308_0 452 KB  
tomli-2.0.1 | py310h06a4308_0 24 KB  
-----|-----  
Total: 582 KB  
  
The following NEW packages will be INSTALLED:  
  
inciconfig pkgs/main/noarch::inciconfig-1.1.1-pyhd3eb1b0_0  
pluggy pkgs/main/linux-64::pluggy-1.0.0-py310h06a4308_1  
py pkgs/main/noarch::py-1.11.0-pyhd3eb1b0_0  
pytest pkgs/main/linux-64::pytest-7.1.2-py310h06a4308_0  
tomli pkgs/main/linux-64::tomli-2.0.1-py310h06a4308_0  
  
Proceed ([y]/n)? y  
  
Downloading and Extracting Packages  
tomli-2.0.1 | 24 KB | ##### | 100%  
pytest-7.1.2 | 452 KB | ##### | 100%  
pluggy-1.0.0 | 29 KB | ##### | 100%  
py-1.11.0 | 76 KB | ##### | 100%
```

```
Podgląd Terminal 6 paź 09:53 student@PCL187: ~  
Proceed ([y]/n)? y  
  
Downloading and Extracting Packages  
tomli-2.0.1 | 24 KB | ##### | 100%  
pytest-7.1.2 | 452 KB | ##### | 100%  
pluggy-1.0.0 | 29 KB | ##### | 100%  
py-1.11.0 | 76 KB | ##### | 100%  
Preparing transaction: done  
Verifying transaction: done  
Executing transaction: done  
(marcinryznar) student@PCL187:~$ conda install -n marcinryznar scikit-learn  
Collecting package metadata (current_repodata.json): done  
Solving environment: done  
  
==> WARNING: A newer version of conda exists. <==  
current version: 4.10.1  
latest version: 22.9.0  
  
Please update conda by running  
$ conda update -n base -c defaults conda  
  
## Package Plan ##  
  
environment location: /home/student/.conda/envs/marcinryznar  
added / updated specs:  
- scikit-learn  
  
The following packages will be downloaded:  
  
package | build  
-----|-----  
joblib-1.1.0 | pyhd3eb1b0_0 211 KB  
scikit-learn-1.1.1 | py310h6a678d5_0 16.8 MB  
-----|-----  
Total: 17.0 MB  
  
The following NEW packages will be INSTALLED:  
  
joblib pkgs/main/noarch::joblib-1.1.0-pyhd3eb1b0_0  
scikit-learn pkgs/main/linux-64::scikit-learn-1.1.1-py310h6a678d5_0  
threadpoolctl pkgs/main/noarch::threadpoolctl-2.2.0-pyhd09192_0  
  
Proceed ([y]/n)?  
  
Downloading and Extracting Packages  
joblib-1.1.0 | 211 KB | ##### | 100%  
scikit-learn-1.1.1 | 16.8 MB | ##### | 100%
```

```
Podgląd Terminal 6 paź 09:53 student@PCL187: ~
The following packages will be downloaded:
package----- build
joblib-1.1.0----- pyhd3eb1b0_0 211 KB
scikit-learn-1.1.1----- py310h6a678d5_0 16.8 MB
-----
Total: 17.0 MB

The following NEW packages will be INSTALLED:
joblib pkgs/main/noarch::joblib-1.1.0-pyhd3eb1b0_0
scikit-learn pkgs/main/linux-64::scikit-learn-1.1.1-py310h6a678d5_0
threadpoolctl pkgs/main/noarch::threadpoolctl-2.2.0-pyhd069192_0

Proceed ([y]/n)?
Downloading and Extracting Packages
joblib-1.1.0 | 211 KB | ##### | 100%
scikit-learn-1.1.1 | 16.8 MB | ##### | 100%
Preparing transaction: done
Verifying transaction: done
Executing transaction: /

Installed package of scikit-learn can be accelerated using scikit-learn-intelex.
More details are available here: https://intel.github.io/scikit-learn-intelex
For example:
$ conda install scikit-learn-intelex
$ python -m sklearnex my_application.py

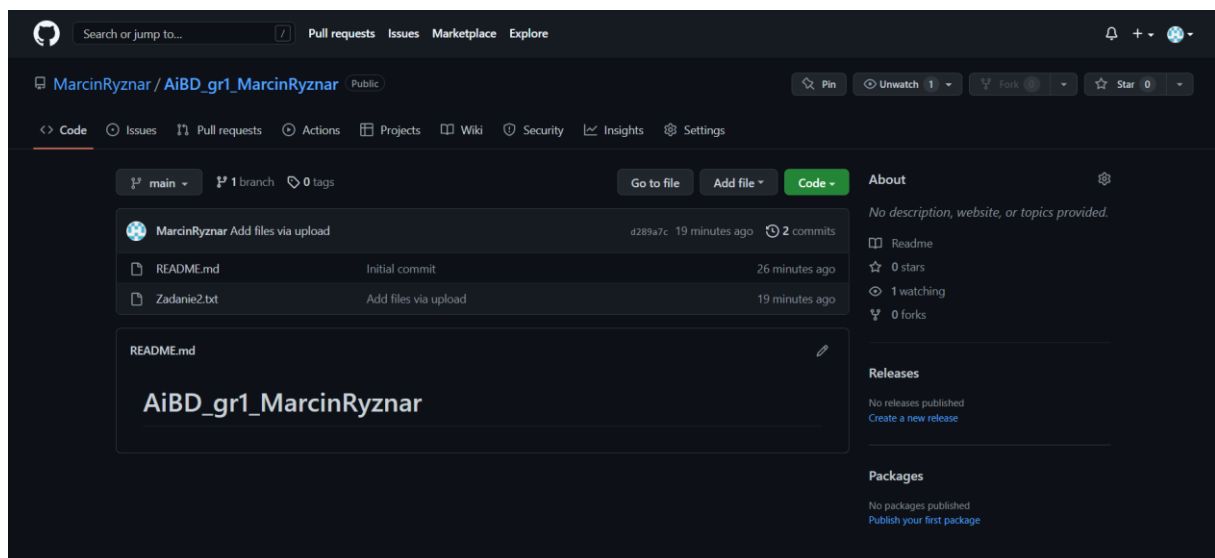
done
(marcinryznar) student@PCL187:~$ conda install -n marcinryznar scipy
Collecting package metadata (current_repodata.json): done
Solving environment: done

==> WARNING: A newer version of conda exists. <==
current version: 4.10.1
latest version: 22.9.0
Please update conda by running
$ conda update -n base -c defaults conda

# All requested packages already installed.
(marcinryznar) student@PCL187:~$
```

## Zadanie 2

- a) Utworzenie własnego repozytorium oraz dodanie plików do repozytorium



- b) Sklonowanie plików do repozytorium.

Marcin > STUDIA > Automatyka i Robotyka > Semestr 5 > Analiza i bazy danych > Lab. 1 > AiBD_gr1_MarcinRyznar				
Identyfikator	Nazwa	Data modyfikacji	Typ	Rozmiar
	README.md	06.10.2022 17:00	Markdown Source ...	1 KB
	Zadanie2.txt	06.10.2022 17:12	Dokument tekstowy	1 KB
	Zadanie3.py	06.10.2022 17:04	Python Source File	0 KB

- c) Link do repozytorium na github: [https://github.com/MarcinRyznar/AiBD\\_gr1\\_MarcinRyznar](https://github.com/MarcinRyznar/AiBD_gr1_MarcinRyznar)



## Zadanie 3

Zdefiniowałem wyznaczoną funkcję oraz wykorzystując odpowiednie biblioteki zrealizowałem poniższe zadanie w następujący sposób:

```
AiBD grupa 1 Marcin Ryznar

Zadanie 3

#deklaracja istotnych bibliotek
import matplotlib
import numpy as np
import matplotlib.pyplot as plt

[1] ✓ 0.7s Python

Przedział 1.  $x > -1$  oraz  $x < 1$ 

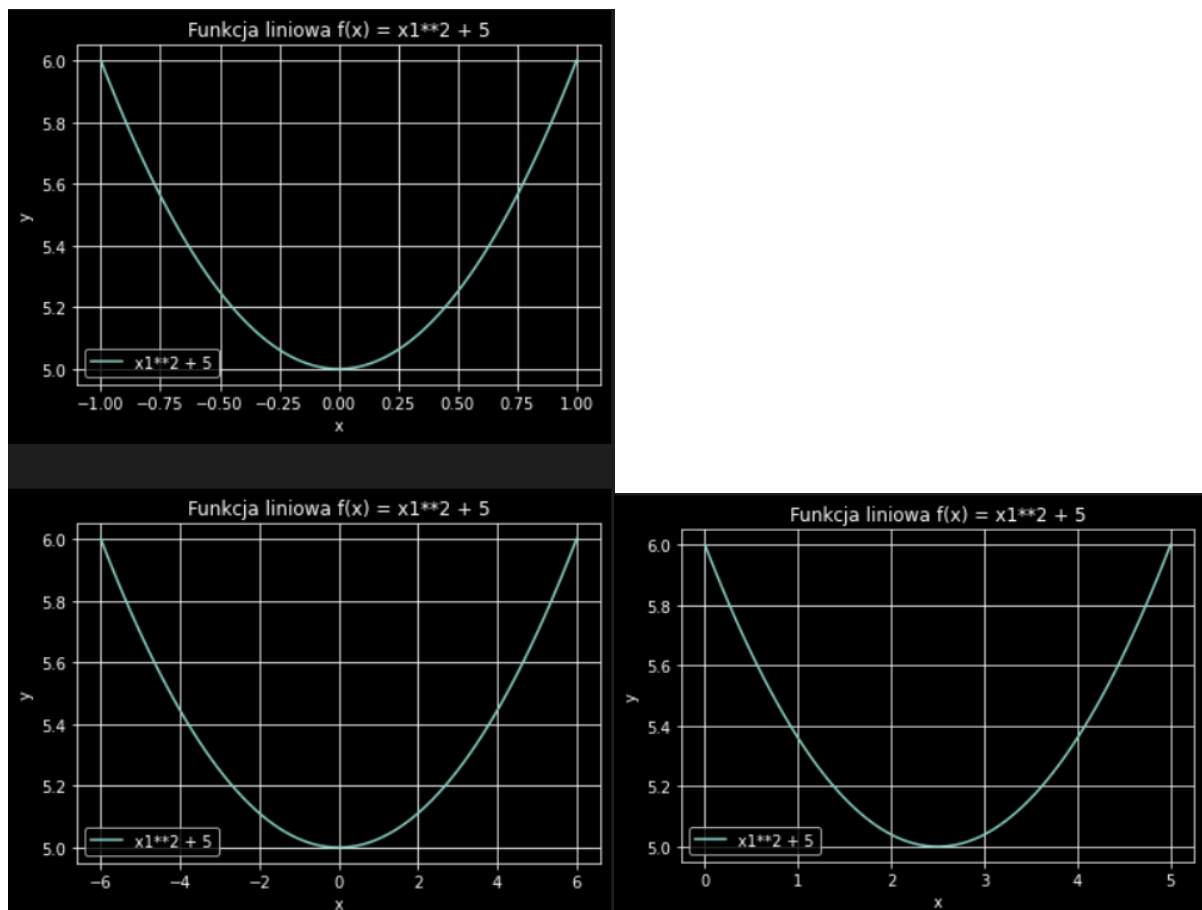
x1 = np.linspace(-1, 1, 100) #Przedział 1.  $x > -1$  oraz  $x < 1$ 
x2 = np.linspace(-6, 6, 100) #Przedział 2.  $x > -6$  oraz  $x < 6$ 
x3 = np.linspace(0, 5, 100) #Przedział 3.  $x > 0$  oraz  $x < 5$ 

y = x1**2 + 5 #funkcja

p = [x1, x2, x3]
for i in p:
    plt.plot(i, y, label = 'x1**2 + 5') #zdefiniowana legenda
    plt.title("Funkcja liniowa  $f(x) = x1**2 + 5$ ")
    plt.legend() #wyswietl legande
    plt.xlabel("x") #argumenty osi x
    plt.ylabel("y") #argumenty osi y
    plt.grid() #wyswietl siatke
    plt.show() #wyswietl

[2] ✓ 0.7s Python
```

Otrzymane rezultaty:



## Zadanie 4

Utworzyłem listę oraz na podstawie zamieszczonych w niej danych, dzięki dataframe uwzględniłem listę oraz wymagane kolumny.

```
import pandas as pd
list = [['Martinez', 'Iglesias', 21, 'male'],
        ['Emily', 'Clarkson', 30, 'female'],
        ['Michael', 'Leclark', 17, 'male'],
        ['Rebecca', 'McBrain', 25, 'female'],
        ['Paul', 'Walker', 28, 'male']]
data_col = pd.DataFrame(list, columns = ['name', 'surname', 'age', 'sex'])
data_col
#data_col.info()
#data_col.describe()
#data_col.head(3)
```

[5] ✓ 0.1s

	name	surname	age	sex
0	Martinez	Iglesias	21	male
1	Emily	Clarkson	30	female
2	Michael	Leclark	17	male
3	Rebecca	McBrain	25	female
4	Paul	Walker	28	male

Następnie wyświetliłem informację:

- a) O danych pandas .info()

```
#data_col
data_col.info()
#data_col.describe()
#data_col.head(3)
```

✓ 0.1s

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 5 entries, 0 to 4
Data columns (total 4 columns):
#   Column      Non-Null Count  Dtype
---  ---
0   name        5 non-null      object
1   surname     5 non-null      object
2   age         5 non-null      int64
3   sex         5 non-null      object
dtypes: int64(1), object(3)
memory usage: 288.0+ bytes
```

b) O danych pandas .describe()

```
#data_col
#data_col.info()
data_col.describe()
#data_col.head(3)
```

✓ 0.1s

	age
count	5.000000
mean	24.200000
std	5.263079
min	17.000000
25%	21.000000
50%	25.000000
75%	28.000000
max	30.000000

c) o trzech rekordach poprzez pandas.head()

```
#data_col
#data_col.info()
#data_col.describe()
data_col.head(3)
```

✓ 0.1s

	name	surname	age	sex
0	Martinez	Iglesias	21	male
1	Emily	Clarkson	30	female
2	Michael	Leclark	17	male