

# Final project

## General description

For the final project students are expected to write a program of practical use that includes requesting some input from a user, retrieving data from the Internet and processing these data.

The program should include functions from the following libraries:

- pandas;
- requests and BeautifulSoup (or other libraries for web scraping or connecting to API);

The program should also include elements of interaction with a user. It might be code that requests input from the keyboard (low level), interactive Jupyter Notebook widgets (medium level) or interactive dashboards (high level).

## Submission

For the final project students should submit two files: a file with Python code (ipynb-file or py-file), and a file with documentation for this code that describes its aims, usage and limitations. Project can be done individually or in groups up to 3 people.

## Grading

Criteria for program assessment:

Criteria	Scores
Complexity (complexity of code and instruments)	3
Novelty (usage of code that does not duplicate code from lessons)	2
Universality (handling exceptions, detection of possible errors)	2
Rationality (code is effective and corresponds to the goal)	2
Accuracy (code is readable and accompanied by substantial comments)	1

Criteria for documentation assessment:

Criteria	Scores
Goal of the project	2
Description of instruments and data used	3
Description of program application	3
Description of potential problems and future development	2

The total score for the project is 20, then it is transferred to 10-points grade.