Introduction.

1. Network credentials: `Laboratorium-IoT /`
2. Github repository - github.com/tocet/prog_devices

Ex 1. Introduction to plotting - `pd_ex03_plot.zip`. Required libraries:

- *matplotlib* - matplotlib.org
- *seaborn* - seaborn.pydata.org
- *bokeh* - bokeh.org
- *tensorflow*

Ex 2. How to work with files - `pd_ex03_files.zip`.

Task 3. Application with graphical user interface for displaying data from csv files:

- (0.1 points) all descriptions on the interface should be configurable in the json configuration file;
- (0.1 points) displaying data from a user-specified csv file on a chart;
- (0.1 points) ability to load axis descriptions, units, chart title and data from a json file;
- (0.1 points) ability to select the chart type (at least 5 options);
- (0.2 points) buttons to move a marker in the chart;
- (0.1 points) display marker coordinates;
- (0.1 points) display marker coordinates on a chart next to the marker;
- (0.2 points) adding and removing points on the chart from the user interface

For those interested:

1. Benefits of Bokeh over Python visualization libraries like Seaborn, Matplotlib & Plotly:

   holypython.com/benefits-of-bokeh-over-python-visualization-libraries-like-seaborn-matplotlib-plotly-2/?utm_content=cmp-true

2. Introducing Plotly AI:

   plotly.com

3. Data Visualization in Python with matplotlib, Seaborn, and Bokeh:

   machinelearningmastery.com/data-visualization-in-python-with-matplotlib-seaborn-and-bokeh/