

## Homework #25 AI. Sentiment Analysis.

Note:

Please, run your code before submitting. If you get an error, try to fix it before submitting your homework. If you get help from anyone, please, make sure that you actually understand the solution.

### Tasks:

1. Import SentimentIntensityAnalyzer from vaderSentiment module.

If you get an error, verify that vaderSentiment is installed with your python.

If you are using anaconda open Anaconda Prompt, or CMD.exe Prompt from Anaconda Navigator and type in (or copy paste) the following command:

```
conda install -c conda-forge vadersentiment
```

If you are using Repl.it open shell tab and type in:

```
pip install vadersentiment
```

If you are using Jupyter notebook:

```
!pip install vadersentiment
```

2. Continue working with the same book that you did in previous assignments. Read the file and create the list of sentences. Think how you can overcome the problem that the sentence can end with "!", "?" and ".". Hint: different characters can be substituted in one with `replace()` method.

3. Create a function which takes in a list of sentences and then runs the `polarity_scores()` method on each of them. The function should return the average value for the 'compound' parameter of the output from the `polarity_scores()`.

4. Take two other books from <https://www.gutenberg.org/browse/scores/top>.

Open them in Python and create list of sentences. Run your function on these books, and compare the results with your original book. Write your results in a file.

Reminder: positive value indicates positive sentiment, negative value indicates negative sentiment. The greater the value the higher the intensity of the sentiment.