Practical 1

This practical deals with introducing the course lab exercise methodology.

Objective

Study and exploration of Python libraries for Information Retrieval and related tasks.

Expected Outcomes

After performing this lab work, students will be able

- to install Python Anaconda framework.
- to explore, study and understand the use of Python libraries for various tasks.
- to execute a small program in Jupyter notebook.

Tasks

Following tasks are to be performed:

1. Download and install Anaconda from its website. (Link)
2. Explore and study following libraries and packages: (a) NLTK (b) Scikit-learn
3. Write a small program that will accept a sentence from the user, and provide a number of words, and a list of words as the output. Assume that the words are separated by blank space.

Submission Guidelines

1. Online submission - Moodle (PDF/zip format, link will be shared soon)
2. Demo - schedule will be decided for demo on the last day when the lab word is due

Online submission should consist of following:

- List of necessary packages you used
- Screenshots of the required tasks
- Jupyter notebook file
- your learning from this experiment

Evaluation Criteria

Every submission will be evaluated based on the rubric which includes

- timely submission
- quality of submission (examples / diversity of examples or cases tested)
- formatting of submitted document
- Common coding principles
- Q/A

Labwork duration: one week

Next week, each batch has to submit their work.