

Python for Informatics

Assignment 3

“Looping, Searching, and Slicing”

Description:

1. Write a program called “process_numbers.py” that repeatedly reads numbers input by the user until the user types “done”. After the user has entered “done”, print out the total, count, maximum, minimum, and average of the entered numbers.
2. Given the following python statement...

avg_str = 'Average value read: 0.72903'

Use the ***find()*** method and ***string slicing*** to extract the portion of the string after the colon character and then use the ***float()*** function to convert the extracted string into a floating point value. Save your code in a file named “parse_float.py”.

3. Read the Python document on string methods at this URL:

<https://docs.python.org/2/library/stdtypes.html#string-methods>

Spend some time playing with some of these methods. Note that the brackets ([]) in the documentation denote that the bracketed elements are optional.

Deliverable:

Two Python .py files, named “process_numbers.py” and “parse_float.py” respectively, submitted as attachments at our course shell assignment page. Please ensure that your full name is specified at the top of each file within a Python comment.

