

2019 Summer: CSEE5590 – Special Topics

Python Programming

Lesson2: Loops, List, Tuples, Functions in python

In this lesson all kinds of controls in python will be reviewed.

- a. Working with for loops
- b. Working with Tuples, Lists, Functions
- c. Various kinds of Loops: definite and indefinite loops, using files in loops, Nested Loops

In Class Programming:

- Write a program, which reads weights (lbs.) of **N** students into a list and convert these weights to kilograms in a separate list using:
 - 1) Loops and
 - 2) List comprehensions

N: No of students (Read input from user)

Ex: L1: [150,155, 145, 148]

Output: [68.03, 70.3, 65.77, 67.13]
- Write a program that returns every other char of a given string starting with first using a function named “string_alternative”
Str = “**Good evening**”
Output: Go vnn
Note: You need to create a function named “string_alternative” for this program and call it from main function.
- Write a python program to find the wordcount in a file for each line and then print the output. Finally store the output back to the file.

Input: a file includes two line

Python Course

Deep Learning Course

Output:

Python: 1

Course: 2

Deep: 1

Learning: 1

Note: Your program should work for any number of lines.