# Topic:

Python (or other) Programming Assignments.

# Purpose:

1. To gain practical experience with programming some networking applications
2. Gain experience working in a team environment.

# Procedure

Along with this assignment guide you will see 4 programming assignments. You may want to read them before choosing your group

1. Choose your group size, let your group size be N. N can be 1-4.

If N=2 to 4

1. Choose N of numbers 1-4.
2. Assign a group member to each of those selected.
   1. Each group member is responsible for completion of that assignment.
   2. Other group members will be responsible for peer review and testing of that assignment.
3. Start a word document and put a table like page 3 on the first page.
4. Complete the programming assignment without the optional section.
   1. You may help each other, but each member’s grade will be tied to their number.
5. Review each team members assignment and make comments or suggest edits as desired, it is ultimately up to them to make corrections.
   1. Please do not just rewrite their code for them, help them learn and correct.
6. Complete any optional sections of any assignments.
   1. The work for this may be shared, complete one optional portion per assignment for full credit.
7. Write a lessons learned section based on your experience, it should have two parts answering:
   1. Any insight or comments on experience from writing your section.
   2. Any insight or comments on working with your peers.

If N=1 or you are a graduate student contact me for a different version of this assignment.

If you would like to do this assignment in another programming language let me know. The assignments offer skeleton code in python, but if you want to do a full rewrite I won’t stop you.

# Requirements:

**Final Submission:**

Your final submitted doc should have the following sections:

1. Title page provided in this doc with names and assignment numbers.
2. One section for each assignment’s requirements in numerical order. See the individual assignments for details on what you should be submitting.
3. A lessons learned section with a subsection for each teammember.
4. A References section
   1. Anything you looked at must be cited.

# Technical Requirements:

½-1 page single spaced 11 point font for each member for the lessons learned section.

Must have a references section including all referenced material

Adhere to academic honesty standards (see syllabus and campus info)

# Grading

This project will be graded on a few categories for a total of 100. See the rubric on the next page.

# Submission Details:

You will submit this project through an assignment link on titanium as either doc or pdf. Links are unacceptable, speak with me if you have questions on this.

The due date will be available on titanium. You will see a submission link with an associated due date, I will also mention it in class.

# FAQs:

I will post a FAQ thread on titanium and answer any questions you may have that may help other students as well.

# 471 Group Project

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| Assignment Number | Name |
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| --- | --- | --- |
| Rubric | | |
| Category | Points Earned | Points possible |
| Insight in Lessons Learned |  | 20 |
| Assignment Base Submissions Correctness |  | 40 |
| Assignments Optional extras |  | 20 (5 each) |
| Presentation (Code and document) |  | 20 |