**Wake Technical Community College**

**CSC120-0002 Computing Fundamentals I – Fall 2021**

**Instructor: Curtis Knowles**

**LAB 1 – Lesson 1: Introduction to Course and Python Programming**

**DUE DATE:**

This lab is due by Sunday 8/22 (11:59pm ET). Wake Tech does **NOT** allow any late submissions for this assignment.

**OBJECTIVES:**

In this lab assignment, students will review the following concepts in Python:

* Introduce themselves with statements on motivations, computing background, and resource availability.
* Learn how to install PyCharm (software we will use to write Python programs).
* Learn how to use PyCharm and submit Python files to Blackboard for grading.

**GRADING:**

This lab is worth 100 points. Submit all required files as attached files to the Lab 1 submission to Blackboard. Required Files:

* **Lab1\_<Last>\_<First>.docx** – answers to questions 1-3.
* **PyCharmErrors\_<Last>\_<First>.**docx – 4 screenshot images request in question 4.

*(NOTE: in filenames, <Last> = student’s last name and <First> = student’s first name)*

**ASSIGNMENT:**

1. **Student Motivation Statement (**20 points)

Please provide a statement of what your motivation is in taking this class.

1. **Student’s Computer Science Background** (20 points)

Please provide a short summary of your computer science background. You can answer ‘None’ if you do not have any background.

* Do you have any experience with programming? If yes, which language?
* Have you ever used Python? If so, in what capacity?
* Do you have any experience with concepts of digital or binary logic?
* Do you have any experience with algorithm design?

1. **Student’s Resource Availability (**20 points)

* Do you have access to a laptop and internet?
* Are you able to find the lectures and assignments on Blackboard? If so, please provide a screenshot of the Lesson 1 folder contents from Blackboard.
* Do you know where to read the announcements on Blackboard? If so, please provide a screenshot of the Announcements page from Blackboard.
* Do you know where to find the Course Syllabus? If so, please provide a screenshot of a page from Blackboard showing the Course Syllabus link on it.

1. **Installing and Using PyCharm** (40 points)

There are two documents attached to this lab on Blackboard. *(They are also available under the “Course Resources/Installing and Using Python Software” page folder.)* These documents are entitled “Installing PyCharm Tutorial” and “Using PyCharm Tutorial”.

* Go through all steps in the “Installing PyCharm Tutorial” document to install the PyCharm software on your local computer.
* Go through all steps in the “Using PyCharm Tutorial” documents. Under the section labeled “Common Syntax Errors”, take screenshots from your computer similar to the Error 1 – Error 4 screenshots in the document. Each screenshot should show the code written and the error produced. Paste these screenshots into a Word document and submit to Blackboard.