**Unit 7 Assignment Instructions – CIS164** 

*For the Unit 7 Assignment we will be working with strings and our ability with Python to manipulate and return their values.*

*Please make sure to fully read each question to ensure that you answer each question per the requirement. Also, please ensure that all responses are in complete sentences, free of spelling and grammatical errors.*

**\*Unit 7 Grading Rubric (45 Points):**

|  |  |  |
| --- | --- | --- |
| **Assignment Requirements** | **Maximum Points** | **Points Earned** |
| 1. Manipulating Strings - 1 | **0-5 Points** |  |
| 2. Manipulating Strings - 2 | **0-40 Points** |  |
| **Points Deducted for Spelling or Grammatical Errors** | |  |
| **Total (Sum of All Points)** | |  |

**\*Directions for Submitting Your Assignment:**

Complete your assignment ensuring all questions are answered based on the assignment requirements. When the Unit 7 assignment is complete, please save your file in the following format, *“Lastname-Unit#.doc”* (Example: **Smith-Unit7.doc**). You may also utilize a Word Processing software such as LibreOffice for assignment completion. In this case the assignment may be saved in .odt format, (Example: **Smith-Unit7.odt**). Then when ready submit your file to the “**CIS 164 – Unit 7 Submit Assignment**” activity for grading.

**1. Manipulating Strings - 1**

1. In your own words, discuss how you feel manipulating strings will be beneficial to you as you continue to work with Python.

**2. Manipulating Strings - 2**

1. Start the PyCharm IDE. Select “File->New Project” on the next screen. Under “Location” change the word “untitled” to “Unit7”. Then click the “Create” button.
2. Next, highlight your new project “Unit7” then right click. When you right click a menu will appear, from this menu select New->Python File. Then a dialog box will appear, in the “Name” field of the dialog box type “Unit7Strings.py”.
3. Next within your Unit7Strings.py file, type the following; \*\*Note make sure you type this in, do not copy!\*\*:

school = “cochise college”

place = “online”

1. Next, modify your Unit7Strings.py file to have a function that takes two parameters, school and place, have your function return the first 5 characters of each parameter value, utilizing a slice.
2. Next, modify your Unit7Strings.py file to have a function that takes two parameters, school and place, have your function return the first character of each parameter, utilizing an index value.

1. Next, modify your Unit7Strings.py file to have a function that takes two parameters, school and place, have your function return the last character of the variable place for each parameter, utilizing an index value.
2. Next, modify your Unit7Strings.py file to have a function that takes two parameters, school and place, have your function return the variables school and place in title form.
3. Lastly, modify your Unit7Strings.py file to have a function that takes two parameters, school and place, have your function check to verify that ‘cochise’ is in the school parameter and ‘online’ is in the place parameter. If it is, have the function return, ‘Great you go to Cochise College Online!’, else have the function return, ‘You should check out Cochise College Online!’
4. For your script, you will need to provide a screenshot showing your completed script being run, and you will also need to submit it in a text file, along with this document.