**Conditional, Iterations, and Loops**

**ITM205: Object Oriented Programming**

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**SLP 03 – Summary**

**Summary**

A considerable amount of code was commented out in these exercises; as such, I copied and pasted the code from the SLP 03 assignment and ran it within my command prompt. The Screen shots show this, but I elaborated on the particulars of the exercises to help demonstrate my knowledge of the topic.

The exercises in this assignment were very straight forward. Some key learning points were around the syntactical structure of the Python programming language. The option to call the print function with or without parenthesis, for example, was new to me this quarter. Because I have studied Java, I’m accustomed to conditional statements and this assignment was not very challenging in this regard.

I think the most interesting take away from this assignment was the use of the ‘and’ and ‘not’ keywords. This is particularly interesting because the author of the language included a ‘!=’ operator. I would’ve expected to see the bang operator (‘!’) as well as the ampersand operator (‘&’) utilized in this language.

The range() function is also an interesting consideration in ‘for loops’. When this function is called with one parameter, it states the exact number the loop will iterate. When two parameters are passed into it, the iteration value is calculated by subtracted the 2nd parameter from the 1st parameter and subtracting one from that total. There is also an option for a third parameter. Additionally, a third parameter can be passed into the function and it either increments or decrements the ‘for loop’ (+/-).