**DAILY ASSESSMENT FORMAT**

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| **Date:** | **28-May-2020** | **Name:** | **Vishwesh V Bhat** |
| **Course:** | **Python by Udemy** | **USN:** | **4AL18EC059** |
| **Topic:** | 1. **String Formatting** 2. **Looping** 3. **List comprehension** | **Semester & Section:** | **4th SEM and ‘A’ SEC** |
| **Github Repository:** | **Vishwesh-V-Bhat-lockdwn-learnings** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session**  **IMG_20200528_194116**  **IMG_20200528_194157** |
| **Report – Report can be typed or hand written for up to two pages.**   * **The session started with the concept of “string formatting”. Two methods of string formatting were discussed: %s(Special string method) and the {}(flower braces method.** * **String formatting is essentially altering a string by introducing another string in between or later as apart of the given string.** * **I implemented a function that gets a person’s name as input and greets the person with “hi” using string formatting.** * **Then the session started with the concept of looping: For loop and While loop were covered.** * **Some example programs were executed.** * **I coded a program that joined strings, added ‘.’ or ‘?’ on the type of string( questioning string or statement string).** * **Then the session moved on to List comprehension** * **List comprehension is basically the process of creating a new list from a given list based on a certain rule. Executed related basic codes on the same.** * **Attempted in-session quizzes and exercises.** |

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| **Date:** | **28-May-2020** | **Name:** | **Vishwesh V Bhat** | |
| **Course:** | **Course on Signals and Systems** | **USN:** | **4al18ec059** | |
| **Topic:** | 1. **Fourier series[MATLAB]** 2. **Fourier series[Python]** 3. **Fourier series and Gibbs phenomenon[MATLAB]** | **Semester & Section:** | **4th SEM & ‘A’ SEC** | |
| **AFTERNOON SESSION DETAILS** | | | |
| **Image of session** | | | |
| **Report – Report can be typed or hand written for up to two pages.**   * **In Fourier series using MATLAB, we considered a “hat function”. We understood Ax and Bx with more clarity. Ax = inner product or the Dot product of f(x) and cosine component. Bx = inner product or the Dot product of f(x) and the Sine component.** * **We know that f(x) is the summation of cosine and sine components of increasing magnitude.** * **We hold the above concept as vital for coding the waveforms on MATLAB or Python.** * **The inner product or dot product equation coding on MATLAB was observed and discussed.** * **By this we were taught about the possibilities coding created in the field of Signals and systems.** * **The same “hat function” was again considered on the Python platform, we had to import “numpy”, “matlablib”, and other exclusive libraries for this code.** * **I also learnt how to install new libraries using pip install “\_\_\_\_\_\_” command on command prompt.** | | | |
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