**DAILY ASSESSMENT FORMAT**

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| **Date:** | **25-05-2020** | **Name:** | **Bhavith** |
| **Course:** | **DSP** | **USN:** | **4AL17EC009** |
| **Topic:** | **Gibbs phenomenon using Python,Laplace Transform,Z transform using Matlab** | **Semester & Section:** | **6th,A** |
| **Github Repository:** | **Bhavith-Online-Courses** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session**  **PSX_20200526_101713** |
| **Report – Report can be typed or hand written for up to two pages.**  **Gibbs Phenomenon using Python:**   * **In [mathematics](https://en.wikipedia.org/wiki/Mathematics" \o "Mathematics), the Gibbs phenomenon, discovered by [Henry Wilbraham](https://en.wikipedia.org/wiki/Henry_Wilbraham" \o "Henry Wilbraham) ([1848](https://en.wikipedia.org/wiki/Gibbs_phenomenon" \l "CITEREFWilbraham1848))[[1]](https://en.wikipedia.org/wiki/Gibbs_phenomenon" \l "cite_note-Hewitt_1979_129%E2%80%93160-1) and rediscovered by [J. Willard Gibbs](https://en.wikipedia.org/wiki/Willard_Gibbs" \o "Willard Gibbs) ([1899](https://en.wikipedia.org/wiki/Gibbs_phenomenon" \l "CITEREFGibbs1899)).**   **Provides methods to compute Fourier series.**  **class sympy.series.fourier.FourierSeries[[source]](https://github.com/sympy/sympy/blob/b92b971eb4712e9ccfbdae993c42b3563ce8f86d/sympy/series/fourier.py" \l "L123-L442)**  **Represents Fourier sine/cosine series.**  **This class only represents a fourier series. No computation is performed.**  **For how to compute Fourier series, see the [fourier\_series()](https://docs.sympy.org/latest/modules/series/fourier.html" \l "sympy.series.fourier.fourier_series" \o "sympy.series.fourier.fourier_series) docstring.**  **Screenshot (104)**  **Laplace Transform:**   * **In [mathematics](https://en.wikipedia.org/wiki/Mathematics" \o "Mathematics), the Laplace transform, named after its inventor [Pierre-Simon Laplace](https://en.wikipedia.org/wiki/Pierre-Simon_Laplace" \o "Pierre-Simon Laplace), is an integral transform that converts a function of a real variable t {\displaystyle t}tt(often time) to a function of a [complex variable](https://en.wikipedia.org/wiki/Complex_analysis" \o "Complex analysis) {\displaystyle s}IMG_257 ([complex frequency](https://en.wikipedia.org/wiki/Complex_frequency" \o "Complex frequency)).** * **The transform has many applications in science and engineering because it is a tool for solving [differential equations](https://en.wikipedia.org/wiki/Differential_equation" \o "Differential equation).** * **In particular, it transforms differential equations into algebraic equations and [convolution](https://en.wikipedia.org/wiki/Convolution" \o "Convolution) into multiplication**.   **Z Transform using Matlab:**   * **In mathematics and signal processing, the Z-transform converts a discrete-time signal, which is a sequence of real or complex numbers, into a complex frequency-domain representation.** * **It can be considered as a discrete-time equivalent of the Laplace transform.** |

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| **Date:** | **25-05-2020** | **Name:** | **Bhavith** | |
| **Course:** | **Python** | **USN:** | **4Al17EC009** | |
| **Topic:** | **Error types,Application of website blocker using Python** | **Semester & Section:** | **6Th,A** | |
| **AFTERNOON SESSION DETAILS** | | | |
| **Image of session**  **PSX_20200526_101749** | | | |
| **Report – Report can be typed or hand written for up to two pages.**  **Error Types:**   * **The most common reason of an error in a Python program is when a certain statement is not in accordance with the prescribed usage.** * **Such an error is called a syntax error. The Python interpreter immediately reports it, usually along with the reason.** * **Assertion Error Raised :when the assert statement fails.** * **Attribute Error: Raised on the attribute assignment or reference fails.** * **EOF Error :Raised when the input() function hits the end-of file condition .** * **Floating Point Error Raised :when a floating point operation fails.** * **Generator Exit :Raised when a generator's close() method is called.**   **Web Blocker using Python:**   * **The objective of Python website blocker is to block some certain websites which can distract the user during the specified amount of time.** * **In this, we will block the access to the list of some particular websites during the working hours so that the user can only access those websites during the free time only.** * **Blocker is that we will pass the link of websites which you think is distracting and the the time that you are working on your computer and program will block those website.** | | | |