**DAILY ASSESSMENT FORMAT**

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| **Date:** | **06-07-2020** | **Name:** | **Bhavith** |
| **Course:** | **Matlab Onramp** | **USN:** | **4AL17EC009** |
| **Topic:** | **Matlab basic commands,variables** | **Semester & Section:** | **6th,A** |
| **Github Repository:** | **Bhavith-Online-Courses** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session**  **Screenshot (172)**  **Screenshot (174)** |
| **Report – Report can be typed or hand written for up to two pages.**   * **MATLAB  is a [multi-paradigm](https://en.wikipedia.org/wiki/Multi-paradigm_programming_language" \o "Multi-paradigm programming language) [numerical computing](https://en.wikipedia.org/wiki/Numerical_analysis" \o "Numerical analysis) environment and [proprietary programming language](https://en.wikipedia.org/wiki/Proprietary_programming_language" \o "Proprietary programming language) developed by [MathWorks](https://en.wikipedia.org/wiki/MathWorks" \o "MathWorks). MATLAB allows [matrix](https://en.wikipedia.org/wiki/Matrix_(mathematics)" \o "Matrix (mathematics)) manipulations, plotting of [functions](https://en.wikipedia.org/wiki/Function_(mathematics)" \o "Function (mathematics)) and data, implementation of [algorithms](https://en.wikipedia.org/wiki/Algorithm" \o "Algorithm), creation of [user interfaces](https://en.wikipedia.org/wiki/User_interface" \o "User interface), and interfacing with programs written in other languages.** * **Although MATLAB is intended primarily for numerical computing, an optional toolbox uses the [MuPAD](https://en.wikipedia.org/wiki/MuPAD" \o "MuPAD) [symbolic engine](https://en.wikipedia.org/wiki/Computer_algebra_system" \o "Computer algebra system) allowing access to [symbolic computing](https://en.wikipedia.org/wiki/Symbolic_computing" \o "Symbolic computing) abilities. An additional package, [Simulink](https://en.wikipedia.org/wiki/Simulink" \o "Simulink), adds graphical multi-domain simulation and [model-base design](https://en.wikipedia.org/wiki/Model-based_design" \o "Model-based design) for [dynamic](https://en.wikipedia.org/wiki/Dynamical_system" \o "Dynamical system) and [embedded systems](https://en.wikipedia.org/wiki/Embedded_system" \o "Embedded system).** * **Using Matlab for scientific purposes costs about the half. ... If X is smaller than the costs of MATLAB, MATLAB is expensive. If X is about 10 times the costs of MATLAB, MATLAB is getting very cheap, because its very powerful and well tested toolboxes allows a rapid prototyping, implementation and testing of the program.** |