**DAILY ASSESSMENT FORMAT**

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| **Date:** | **4th August 2020** | **Name:** | **Sathya br** |
| **Course:** | **Coursera** | **USN:** | **4al16ec065** |
| **Topic:** | **Introduction to Self-Driving Cars** | **Semester & Section:** | **6th sem**  **B sec** |
| **GitHub Repository:** | **sathyabr** |  |  |

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| **SESSION DETAILS**  **Session images**    **Report:**  Knowledge Prerequisites  To succeed in this course, you should have the following knowledge prerequisites:  intermediate programming experience in Python 3  familiarity with linear algebra (matrices, vectors, matrix multiplication, rank, eigenvalues and vectors, and inverses)  statistics (Gaussian probability distributions)  multivariate calculus  physics (forces, moments, inertia, Newton's laws)  It’s certainly helpful to know how to drive a car, but it's not a hard requirement for this course.  If you don’t have these necessary knowledge prerequisites, no sweat. There are excellent Robotics, AI, Deep Learning, Computer Vision, Controls and other courses that you can take on Coursera to prepare you for this Specialization.  If you don't have the necessary Python prerequisites, check out the Python for Everybody Specialization. If you have coding experience in another programming language, you should be able to complete this course (but may need to look up Python syntax as you go).  Hardware & Software Requirements  For the final project in this course, you will develop control code to navigate a self-driving car around a racetrack in the CARLA simulation environment. You will need the following hardware and software specifications in order to effectively run the simulator and complete the final project.  Desktop PC or gaming laptop, which includes:  Windows 7 (64-bit or later, Windows 10 preferred) or Linux (Ubuntu 16.04 or later)  Quad-core Intel or AMD processor, 2.5 GHz or faster  NVIDIA GeForce 470 GTX or AMD Radeon 6870 HD series card or higher  8 GB RAM  OpenGL 3 or greater (for Linux computers)  MacOS  At this time macOS is not natively supported by CARLA and therefore the CARLA binaries that we provide also do not support macOS. It is recommended to create a dual-boot to either Linux or Windows in order to setup CARLA for the course.  Virtual Machines  Virtual Machines are discouraged as they generally do not have the necessary hardware virtualization to run the Unreal Engine (which CARLA is based on). It is recommended to install Linux or Windows directly as a dual boot in order to setup CARLA for the course. |