**DAILY ASSESSMENT FORMAT**

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| **Date:** | **14-07-2020** | **Name:** | **Rohan Shetty** |
| **Course:** | **Mathematics for Machine Learning: Linear Algebra** | **USN:** | **4al17ec079** |
| **Topic:** | **Vectors are objects that move around space** | **Semester & Section:** | **6th & ‘B’** |
| **GitHub Repository:** | **rohan-shetty-online-courses** |  |  |

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| **FORENOON SESSION DETAILS** |
| Image of session |
| **operations we can do with vectors** -  finding the modulus (size),  angle between vectors (dot or inner product) and  projections of one vector onto another.  We can then examine how the entries describing a vector will depend on what vectors we use to define the axes - the basis.  That will then let us determine whether a proposed set of basis vectors are what's called 'linearly independent.'  This will complete our examination of vectors, allowing us to move on to matrices in module 3 and then start to solve linear algebra problems.  Key Concepts   * Calculate basic operations (dot product, modulus, negation) on vectors * Calculate a change of basis * Recall linear independence * Identify a linearly independent basis and relate this to the dimensionality of the space |

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| AFTERNOON SESSION DETAILS |
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| Report:  Create a Trailhead Playground  Learning Objectives   * Create a Trailhead Playground. * Explain the difference between a Trailhead Playground and a Developer Edition org.   Get Your Trailhead Playground Username and Password  Learning Objectives   * Get your Trailhead Playground username and password. * Rename a Trailhead Playground.   Install Apps and Packages in Your Trailhead Playground  Learning Objectives   * Install an app or package in your Trailhead Playground.   Develop Without Code  Learning Objectives   * Describe the benefits of the metadata-driven development model. * Define and give examples of the no-code and low-code development approaches. |