**DAILY ASSESSMENT FORMAT**

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| **Date:** | **15/07/2020** | **Name:** | **shashank S P** |
| **Course:** | **Mathematics for Machine Learning** | **USN:** | **4AL18EC048** |
| **Topic:** | **Matrices in Linear Algebra: Objects that operate on Vectors** | **Semester & Section:** | **4th sem ‘A’ section.** |
| **Github Repository:** | **shashank-sp** |  |  |

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| **FORENOON SESSION DETAILS** |
| **In today’s session I have learnt about:**   * **Key Concepts:** * **Understand what a matrix is and how it corresponds to a transformation.** * **Explain and calculate inverse and determinant of matrices** * **Identify and explain how to find inverses computationally and what goes wrong.** * **Summary:** * **The determinant, how much we grow space, the area change.** * **Looked at the special case where the determinant is zero and found that that means that the basis vectors aren't linearly independent, and then that means that the inverse doesn't exist.** * **So in this first module on matrices, what I have done is define what a matrix is, it's something that transforms space.** * **I have looked at different archetypes of matrices, like rotations, and inverses, and stretches, and shears, and how to combine them by doing successive transformations, matrix multiplication or composition.** * **Then, I have looked at how to solve systems of linear equations by elimination and how to find inverses.** * **And then finally, looked at determinants and linear independence.** |

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| **Date:** | **15/07/2020** | **Name:** | **Shashank S P** |
| **Course:** | Salesforce: Trailblazer Community Groups | **USN:** | **4AL18EC048** |
| **Topic:** | * **[Meet Trailblazers Like You](https://trailhead.salesforce.com/en/content/learn/modules/trailblazer-community-basics/meet-trailblazers-like-you?trail_id=skill-up-for-the-future-with-trailhead)** * **[Empower the Next Generation of Trailblazers](https://trailhead.salesforce.com/en/content/learn/modules/trailblazer-community-basics/empower-next-generation-trailblazers?trail_id=skill-up-for-the-future-with-trailhead)** * **[Discover Community Conferences](https://trailhead.salesforce.com/en/content/learn/modules/trailblazer-community-basics/discover-community-conferences?trail_id=skill-up-for-the-future-with-trailhead)** | **Semester & Section:** | **4th sem ‘A’ section** |
| **Github Repository:** | **shashank-sp** |  |  |

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| **AFTERNOON SESSION DETAILS** |
| **In today’s session I have completed about:**   * **[Meet Trailblazers Like You](https://trailhead.salesforce.com/en/content/learn/modules/trailblazer-community-basics/meet-trailblazers-like-you?trail_id=skill-up-for-the-future-with-trailhead):** * **Finding Trailblazer Community Groups.** * **Explaining the value of attending Trailblazer Community Group meetings.** * **Starting a Trailblazer Community Group.** * **[Empower the Next Generation of Trailblazers](https://trailhead.salesforce.com/en/content/learn/modules/trailblazer-community-basics/empower-next-generation-trailblazers?trail_id=skill-up-for-the-future-with-trailhead):** * **Explaining what a Salesforce Student Group is.** * **Helping Student Groups near us.** * **Starting a Student Group.** * **[Discover Community Conferences](https://trailhead.salesforce.com/en/content/learn/modules/trailblazer-community-basics/discover-community-conferences?trail_id=skill-up-for-the-future-with-trailhead):** * **Explaining what Trailblazer Community Conference is.** * **Finding a Trailblazer Community Conference near you.** |