**DAILY ASSESSMENT FORMAT**

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| **Date:** | **16th July 2020** | **Name:** | **DIVYASHREE LV** |
| **Course:** | **Coursera** | **USN:** | **4AL17EC030** |
| **Topic:** | **Mathematics for machine learning:Linear Algebra** | **Semester & Section:** | **6th sem ‘A’ sec** |
| **Github Repository:** | **divyalv** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session**    **Index notation, also commonly known as subscript notation or tensor notation,**  **is an extremely useful tool for performing vector algebra. Consider the coordinate**  **system illustrated Index in Figure 1. Instead of using the typical axis labels x, y, and z,**  **we use x1, x2, and x3, or**  **xi i = 1, 2, 3**  **The corresponding unit basis vectors are then eˆ1, eˆ2, and eˆ3, or**  **eˆi i = 1, 2, 3**  **The basis vectors eˆ1, eˆ2, and eˆ3 have the following properties:**  **eˆ1 · eˆ1 = ˆe2 · eˆ2 = ˆe3 · eˆ3 = 1 (1)**  **eˆ1 · eˆ2 = ˆe1 · eˆ3 = ˆe2 · eˆ3 = 0 (2)**  **The Scalar Product in Index Notation We now show how to express scalar products (also known as inner products or dot products) using index notation. Consider the vectors ~a and ~b, which can be expressed using index notation as**  **a = a1eˆ1 + a2eˆ2 + a3eˆ3 = aieˆ**  **b = b1eˆ1 + b2eˆ2 + b3eˆ3 = bjeˆj**  **In mathematics, particularly linear algebra and numerical analysis, the Gram–Schmidt process is a method for orthonormalizing a set of vectors in an inner product space, most commonly the Euclidean space Rn equipped with the standard inner product. The Gram–Schmidt process takes a finite, linearly independent set S = {v1, ..., vk} for k ≤ n and generates an orthogonal set S′ = {u1, ..., uk} that spans the same k-dimensional subspace of Rn as S.**  **The method is named after Jørgen Pedersen Gram and Erhard Schmidt, but Pierre-Simon Laplace had been familiar with it before Gram and Schmidt.[1] In the theory of Lie group decompositions it is generalized by the Iwasawa decomposition.**  **The application of the Gram–Schmidt process to the column vectors of a full column rank matrix yields the QR decomposition (it is decomposed into an orthogonal and a triangular matrix.** |
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| **Date:** | **16th July 2020** | **Name:** | **DIVYASHREE LV** |
| **Course:** | **Salesforce** | **USN:** | **4AL17EC030** |
| **Topic:** | **Admin** | **Semester & Section:** | **6th sem ‘A’ sec** |
| **Github Repository:** | **divyalv** |  |  |

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| **AFTERNOON SESSION DETAILS** |
| **image of session**  C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.Word\Screenshot (577).png  Creatingyouractionplan:  Now that youve identified one or two target roles that you’re interested in pursuing it’s time to  Make a concrete action plan for what you need to do to prepare for that role.  Developing your career plan:  There are three main areas to consider in developing your career plan.  Learning:  What are the skills you need to acquire,and where can you learn them?  Earning:  What credentials do you need for this role and how can you demonstrate your skills to employers?  Connecting:  What are ways to connect and network with others in the field?  Learning:  For most skills and roles,you can find many options for learning from self-paced online learning to instructor-led classes,events,and even formal degree programs.What type of learning you choose to do depends on your time,learning style,and budget.Sometimes what works best for you is a combination of different learning programs.There’s no one right way.It’s up to you to choose the adventure that works best for you.  LearnOnline:  One of the best ways to skill up for Salesforce career paths is through Trail head the fun,free,hands-  On way learn.If you’re new to Trail head,here area few recommendation son where to start.  Check out a few resources to get you started.  \*TrailheadCollaborationGroupontheTrailblazerCommunity  \*SalesforceUserGroups  \*SalesforceDeveloperMeetups  \*FeaturedOnlineCollaborationGroups  For developers,there are some additional resources and ways to connect to theth rivingcommunity of more than 3 million Salesforce developers.  \*The Salesforce developers discussion forums area n important resource toget answers to your questions.It’s not uncommon for project managers,developers,and other R&D staff to contribute.  \*On the Salesforce Stack Exchange ,get expert guidance from an active developer communityfeaturing some of them ost prominent developers from across the globe.  \*Using the # ask force hash tag on Twitter immediately connects you to hundreds of Salesforce  Administrat or sand developers.The answer to your 280-Character questions is sometimes onlyafew seconds away!Attend a Local Event:Can’t get to Dream force?Attendane vent then exttime weroll into your home town.  These events give you the chance to attend great key notes,learn first hand from leadingcustomers how to be successful with Salesforce,and getup close and personal with our entire suit eof products.  You can also find Salesforce User Groups in cities around the world thatmeet regularly to network and learn.Here area few resources for find ingin-person events.  Salesforce User Groups:  User groups are customer organized groups that meet on line and in person.Join one today to network,  Share ideas,and get tips on how toget the most out of Salesforce.  Salesforce Developer Groups:  Forperson-to person interaction,join a local Developer Group.  There are more than 160 groups around the world,and more are springing up all the time.  Salesforce Meetups:  Find in dependent local events to meet Sales forceusers,administrators,and developers in your area.  Swap business cards and develop a support network of Salesforce professionals.  Community Events:  Join the community of Customer Trailblazers at an event near you.Keep an eye out for the Salesforce Developer Event sand Salesforce Admin Events in acity near you as well. |