**DAILY ASSESSMENT**

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| **Date:** | **16/07/2020** | **Name:** | **Dhavala** |
| **Course:** | **Coursera**  **Mathematics for Machine learning: Linear algebra** | **USN:** | **4AL17EC027** |
| **Topic:** | **Matrices as objects that map one vector in to other; all types of matrices** | **Semester & Section:** | **6TH SEM & A Section** |
| **Github Repository:** | **Dhavala27** |  |  |

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| **SESSION DETAILS** |

**DAILY ASSESSMENT**

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| **Date:** | **16/07/2020** | **Name:** | **Dhavala** |
| **Course:** | **Salseforce** | **USN:** | **4AL17EC027** |
| **Topic:** | * **Salseforce DX** | **Semester & Section:** | **6TH SEM & A Section** |
| **Github Repository:** | **Dhavala27** |  |  |

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| **SESSION DETAILS**     **Set Up Your Salesforce DX Environment**Introduction The Salesforce Developer Experience (DX) is a set of tools that streamlines the entire development life cycle. It improves team development and collaboration, facilitates automated testing and continuous integration, and makes the release cycle more efficient and agile.  This Salesforce DX quick start begins with source code living in your version control system (VCS). It doesn’t matter which VCS you use, only that you use one. In this quick start, we assume you’re using Git and GitHub, as this is where we’ve stored the sample application, called the Dream House app. What Is a Scratch Org? Much of the setup you do for Salesforce DX enables you to use a new type of org called a **scratch org**. A scratch org is a dedicated, configurable, and short-term Salesforce environment that you can quickly spin up when starting a new project, a new feature branch, or a feature test. What Is a Developer Hub Org? A **Developer Hub**(Dev Hub) is the main Salesforce org that you and your team use to create and manage your scratch orgs. Enable Dev Hub in Your Trailhead Playground While you can enable Dev Hub in any paid org, it’s always best to practice somewhere other than production. Instead, go ahead and enable Dev Hub in a Developer Edition org or Trailhead Playground to use with this project. Get Your Trailhead Username and Password You need your Dev Hub login credentials for this project. If you don't already know the username and password for the Developer Edition or Trailhead Playground org where you enabled Dev Hub, follow the steps in this article. **Set Up the Project on Your Local Machine** Our next goal is to set up the developer project that we use to modify our application. We start by cloning the repository. Download a Project from GitHub If you're a Windows user, first install git for Windows tooling. This tool helps you run git from the command line.   1. Open a new Terminal (Mac) or Command Prompt (Windows) window and use the following command to create a unique directory to do your work in: 2. mkdir my\_sfdx\_project   cd my\_sfdx\_project  Copy   1. Next, use this command to clone the app repository:   git clone https://github.com/dreamhouseapp/dreamhouse-sfdx.git  Copy   1. Next, open the directory:   cd dreamhouse-sfdx  Copy Cloning the repository pulls all the source code into your local file system. But before you start editing, you first create your own branch. This is a best practice as defined by GitHub Flow, because it helps ensure your Master branch is a clean and production-ready version of your code. Create a Branch for Your Project  1. In your command window, create a new branch to do your work in:   git checkout -b my\_branch  Copy Now that you’re working in your own branch, it’s easy to submit updates to your team later on.   1. In Salesforce DX, we provide a comprehensive set of capabilities through our command-line interface. Take a look at all of the available commands. In your command window, type:   sfdx force –help  Copy  Now that we’ve set up our project, our next step is to create our scratch org.  We won't check any of your setup. Click **Verify Step** to go to the next step in the project. |