**ASSESSMENT 51**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date:** | 18-07-2020 | **Name:** | Sheela Golasangi |
| **Course:** | Coursera | **USN:** | 4AL16EC068 |
| **Topic:** | Industrial IoT on Google Cloud Platform | **Semester & Section:** | VIII  ‘B’ |
| **Github Repository:** | Sheela-Course |  |  |

|  |
| --- |
| **FORENOON SESSION DETAILS** |
| REPORT **C:\Users\india\Pictures\Screenshots\Screenshot (2028).png**  **C:\Users\india\Pictures\Screenshots\Screenshot (2031).png**  **C:\Users\india\Pictures\Screenshots\Screenshot (2034).png**  **Analyzing IoT Data Studio**  **Introduction to Google Data Studio**  Google Data Studio is a data-reporting and dashboarding solution. It is designed to help you turn your data into customized reports that are easy to read and share.  Data Studio helps you perform three tasks to create your reports:   * Connect to your data: Create a connection between a dataset and a report. * Visualize your data: Use tools to generate visual reports about your data. * Share your data: Allow others to access your reports.   In this lesson there are some readings and videos about Data Studio. Then there is a lab that I think you will find very interesting. The lab uses data from a public Pub/Sub topic. You create a subscription to the topic and a pipeline from Cloud Pub/Sub to BigQuery. Then you use the data to create a visual report about the data and share it.  **Connect to your Data**  To use data in your Data Studio reports, you need to create a connection to your data. Your data sources can be single or multiple datasets.  **How Data Studio connects to your data**  https://d3c33hcgiwev3.cloudfront.net/imageAssetProxy.v1/VywuV-eQEeilxxL_ZeRz_A_e35ef3a9d5b6827e70716097cd5c08de_Screen-Shot-2018-11-13-at-2.04.40-PM.png?expiry=1595289600000&hmac=p6xJbMK306dkgAQ56BnxUeqiiB5fzOCRfzk8gwhHlQQ  Data sets: Data that is contained in a repository. Data Studio does not import your data; it remains in the repository.  You can quickly connect to data sets from different sources.  For example:   * Google Marketing Platform products, including Google Ads, Analytics, Display & Video 360, Search Ads 360 * Google consumer products, such as Sheets, YouTube, and Search Console * Databases, including BigQuery, MySQL, and PostgreSQL * Flat files via CSV file upload and Cloud Storage * Any data that uses connectors   **Connectors:** Data is passed to Data Studio using a connector, which can be thought of as a pipe. During the initial connection, your credentials are requested and remembered, which means you are authorized to view reports and/or data.  **Data source:** A component that has fields that can be used in reports. A data source controls who has viewing access to the data in the reports.  **Visualize your data**  **With just a few clicks of the cursor, you can create visually appealing graphs.**  https://d3c33hcgiwev3.cloudfront.net/imageAssetProxy.v1/VnzkYehgEeiixgqCUDoEfA_27e20036fd554e6b1473d8c6199801e3_Screen-Shot-2018-11-14-at-2.54.54-PM.png?expiry=1595289600000&hmac=knu3PIE2c5Z-1qB9X-uoNE-xjQjXa1mL4vQoOlrlfS8  **There are several ways to create a report**:   * Build it yourself using the default colors and themes. * Use sample report templates created by Data Studio experts. * Create fully customized reports using the color pickers and themes available in Data Studio.   The report on the left uses the default colors, and the report on the right was customized using drag-and-drop items and color pickers.  **You can:**   * Customize colors and logos. * Add shapes and images. * Insert dynamic controls. * Insert dynamic controls   **Share Reports and Data**  Data Studio allows sharing of reports and data. The authorizations for reports and data are set independent of the other.  **Report sharing** is done by controlling access permissions. You can specify who can edit files and who can view them.  The UI for sharing is very similar to other Google share pages. Just enter the email address and select the permission.  https://d3c33hcgiwev3.cloudfront.net/imageAssetProxy.v1/Lsc47-hhEei5Kg7DUflKxA_8755a1620f988ba00dc462c18a4048c5_Screen-Shot-2018-11-14-at-3.00.13-PM.png?expiry=1595289600000&hmac=AIqNuNwwDpq8e4eW_EirzWDSLfe-JlCKzpDEORebVME  You can get a shareable link to the report and share it on social media or embed it in a website.  **Data sharing** is controlled by the data source authorizations. You can change these permissions in Data Studio. There are two options for data sharing: owner's credentials and viewer's credentials.  **Owner's credentials** are the default for most data sources. When an owner authorizes someone to have access to the data set, that person is allowed to view or create reports with the data. They do not need to have their own access to the data.  **Viewer's credentials** require a user to have access to the data set or any reports created from the data set. The user must provide their credentials to view the data set. A user who does not have access to the data set cannot view the data or data in reports. Data Studio Lab Introduction More help on Data Studio can be found at: Data Studio Help  Data Studio is not in the Google Cloud Platform Console. You access it at: Data Studio  In other labs in this course you created Cloud Pub/Sub topics and registries and devices, and then used simulated data or devices. This lab is a little different. You will use data from New York City taxis that is published on a public Pub/Sub topic.  The data is details of trips taken by passengers in New York City taxicabs. The features of the data are: ride\_id, latitude, longitude, timestamp, meter\_reading, meter\_increment, ride\_status, passenger\_count, and point\_idx. The data is for a large number of rides, so you will have a lot of data to generate reports.  In this lab you:   1. Create a subscription to a public Pub/Sub topic. 2. Create a Cloud Storage bucket. 3. Create a BigQuery dataset and table. 4. Create a Cloud Pub/Sub to Cloud Dataflow pipeline. 5. Connect Data Studio to your BigQuery table. 6. Create a report of the data. 7. Share the report.   I think you'll enjoy this lab; it’s a lot of fun to generate and look at the reports! Go to the forums and tell us what you found out about New York City taxicabs and Data Studio. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Date:** | 18-07-2020 | **Name:** | Sheela Golasangi |
| **Course:** | Sales force | **USN:** | 4AL16EC068 |
| **Topic:** | Trailblazer Mentorship for Mentees | **Semester & Section:** | VIII  ‘B’ |
| **Github Repository:** | Sheela-Course |  |  |
| **AFTERNOON SESSION DETAILS** | | | |
| C:\Users\User\Pictures\Screenshots\Screenshot (316).pngC:\Users\User\Pictures\Screenshots\Screenshot (317).pngC:\Users\User\Pictures\Screenshots\Screenshot (318).pngLearning Objectives After completing this unit, you’ll be able to:   * Understand the purpose of Trailblazer Mentorship. * Describe mentoring. * Identify the roles and responsibilities of a mentee and mentor. * Summarize the benefits of mentoring.  Trailblazer Mentorship Makes the Magic Happen Are you interested in joining the Salesforce ecosystem, but don’t know where to start? Or maybe you just became Salesforce certified and are wondering, “What’s next?” You are not alone. Even when you know your interests and have awesome skills, job hunting inevitably brings questions. Lots of questions. Things like:   * What’s the right company and role for me? * How do I get that first job in the Salesforce ecosystem now that I’m certified? * Where can I get help with my resume and preparing for interviews? * How can I position my transferable skills? * What are some ways to get project experience if I’m new to the Salesforce ecosystem? * How do I get connected to the Trailblazer Community?   These questions are just the tip of the iceberg. And asking them is crucial to your career development—but how can you get the answers and guidance you need? We’d like to introduce you to Trailblazer Mentorship. Through this program, job-seeking Trailblazers are matched with seasoned professionals who:   * Provide general career advice, including strategies for resume-building and interviewing. * Connect job seekers to Salesforce ecosystem opportunities. * Share their networks in the Trailblazer Community.  Explore the Mentoring Life CycleLearning Objectives After completing this unit, you’ll be able to:   * Identify the four stages of the mentoring lifecycle. * Inventory your strengths, development needs, and characteristics to prepare for mentorship. * List expectations, ground rules, and goals to discuss with your mentor. * Identify activities and tools to help you cultivate your mentoring relationship. * Evaluate the success of your mentoring relationship.  The Mentoring-Relationship Lifecycle Typical mentoring relationships have four key stages, where mentors and mentees:   1. **Prepare** for the mentoring relationship by assessing personal characteristics and determining what they want from—and will bring to—the experience. 2. **Initiate** the conversation by having their first meeting to discuss expectations and goals. 3. **Cultivate** the connection by identifying opportunities for growth and building on their skills. 4. **Evaluate** achievements and outcomes by measuring growth and goal achievement and determining next steps for the partnership.  Gain Hands-on Experience and Join the CommunityLearning Objectives After completing this unit, you’ll be able to:   * List ways to get hands-on experience to build your resume. * Describe how connecting to the Trailblazer Community helps you in your career journey. * Share your story as a mentee.  Acquire Project Experience You’ve skilled up with Trailhead, aced your credentials, created a great resume that highlights your key skills, and now you’re being interviewed by great companies that fit your goals. All that’s left is negotiating your start date, right? Well, not exactly.  Employers are looking for people who have on-the-job experience, in addition to credentials and badges. So, how do you get on-the-job experience without being on the job? It’s a common conundrum for many job seekers. | | | |