VLOOKUP for data aggregation Use JOINS to aggregate data in Optional: Upload the employee dataset to Reading: Optional: Upload the BigQuery employee dataset to BigQuery Video: Understanding JOINS The next video demonstrates how to use JOINS to merge and return data from two tables based on a common attribute Reading: Secret identities: The used in both tables. importance of aliases 10 min If you would like to follow along with the instructor, you will need to log in to your BigQuery account and upload the Reading: Using JOINs effectively employee data provided as two CSV files. If you have hopped around courses, <u>Using BigQuery</u> ' in the **Prepare Data for Exploration** course covers how to set up a BigQuery account. Practice Quiz: Hands-On Activity: Prepare for the next video Queries for JOINS 2 questions • First, download the CSV files from the attachments below: Reading: Optional: Upload the warehouse dataset to BigQuery Employees Table - Understanding JOINS

3 questions Work with subqueries

Practice Quiz: Test your knowledge on using JOINS to aggregate data

Weekly challenge 3

Step 3: Enter **employee_data** for the Dataset ID.

Departments Table - Understanding JOINS

Step 4: Click **CREATE DATASET** (blue button) to add the dataset to your project.

Step 5: In the Explorer on the left, click to expand your project, and then click the **employee_data** dataset you just

• Next, complete the following steps in your BigQuery console to upload the **employees** and **departments** tables.

Step 1: Open your BigQuery console and click on the project you want to upload the data to.

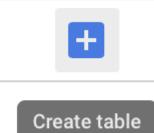
Open

Step 2: In the Explorer on the left, click the Actions icon (three vertical dots) next to your project name and

Create dataset

Step 6: Click the Actions icon (three vertical dots) next to employee_data and select **Open**.

Step 7: Click the blue **+** icon at the top right to open the Create table window.



select Create dataset.

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Step 8: Under Source, for the Create table from selection, choose where the data will be coming from.

- Select Upload.
- Click **Browse** to select the Employees Table CSV file you downloaded.
- Choose **CSV** from the file format drop-down.

Step 9: For Table name, enter **employees** if you plan to follow along with the video.

Step 10: For Schema, click the Auto detect check box.

Step 11: Click Create table (blue button). You will now see the employees table under your employee_data dataset in your project.

Step 12: Click the **employee_data** dataset again.

Step 13: Click the icon to open the Create table window again.

Step 14: Under Source, for the Create table from selection, choose where the data will be coming from.

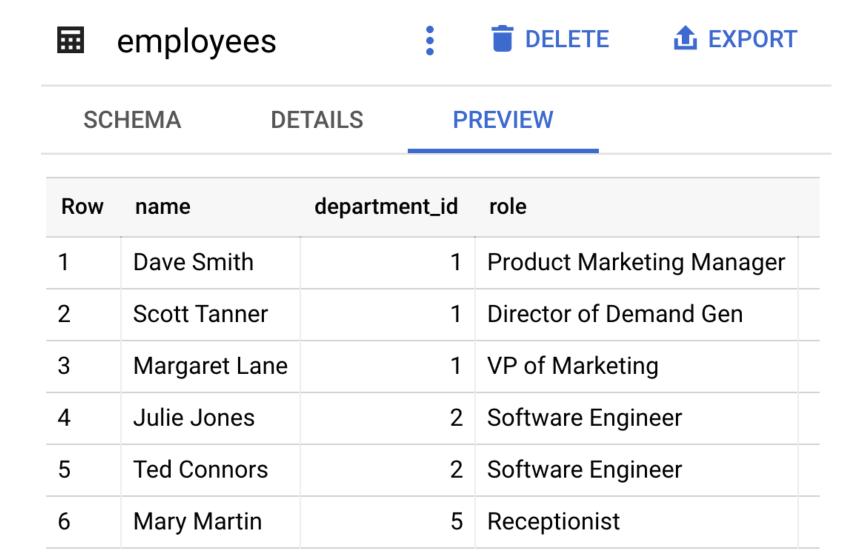
- Select **Upload**.
- Click **Browse** to select the Departments Table CSV file you downloaded.
- Choose **CSV** from the file format drop-down.

Step 15: For Table name, enter **departments** if you plan to follow along with the video.

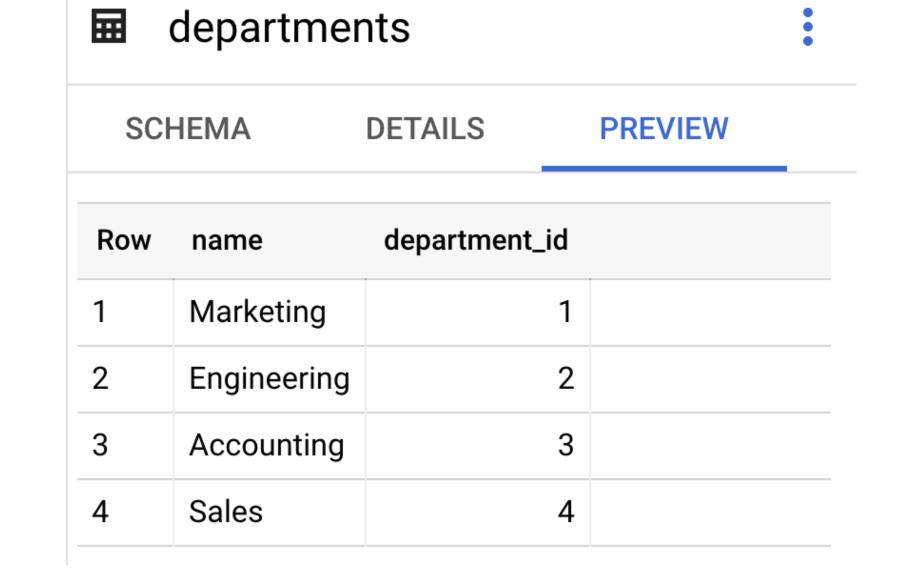
Step 16: For Schema, click the Auto detect check box.

Step 17: Click **Create table** (blue button). You will now see the **departments** table under your **employee_data** dataset in your project.

Step 18: Click the **employees** table and click the **Preview** tab to verify that you have the data shown below.



Step 19: Click the **departments** table and click the **Preview** tab to verify that you have the data shown below.



If your data previews match, you are ready to follow along with the next video.

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