

Assignment 11

This homework will help you to practice and self assess your knowledge and ability around the course concepts. Use the answer key to assess your work.

1. Connect SQL Operations Studio to the `salesforce` database
2. The `dbo.OpportunityLineItem` table provides much of the opportunities information (from the `dbo.Opportunity` table) but breaks the opportunity into individual products with accompanying dollar amounts. View the TOP 1000 rows from the `dbo.OpportunityLineItem` table.
3. From this table select only the columns that aren't custom (note that custom fields have a `__c` appended to the end of their name). View only TOP (1000) rows.
4. Filter to get opportunities that have a `LastModifiedDate` less than or equal to '2018-01-01'. View only TOP (1000) rows.
5. Add to the prior query code so to also only look at products with the `Product2Id` that is '01t700000005Qt75AAC' or '01t39000000SW3jeAAD'. View only TOP (1000) rows
6. Add to the prior query code and order the results descending on `TotalPrice`. View only TOP (1000) rows
7. Determine what products have `Product2Ids` that are '01t700000005Qt75AAC' or '01t39000000SW3jeAAD'. You will need to go to another table. Note that the column name might not be named `Product2Id` in that table.
8. Explore the tables in the database. Ask yourself what the variables might mean. If you're interested in knowing more about the non-custom variables (`__c` suffix) see https://resources.docs.salesforce.com/212/latest/en-us/sfdc/pdf/apex_api.pdf.
 - Explore the data by making SELECT, FROM, WHERE queries.
 - Practice exporting the data as a .csv and reading it back into R.