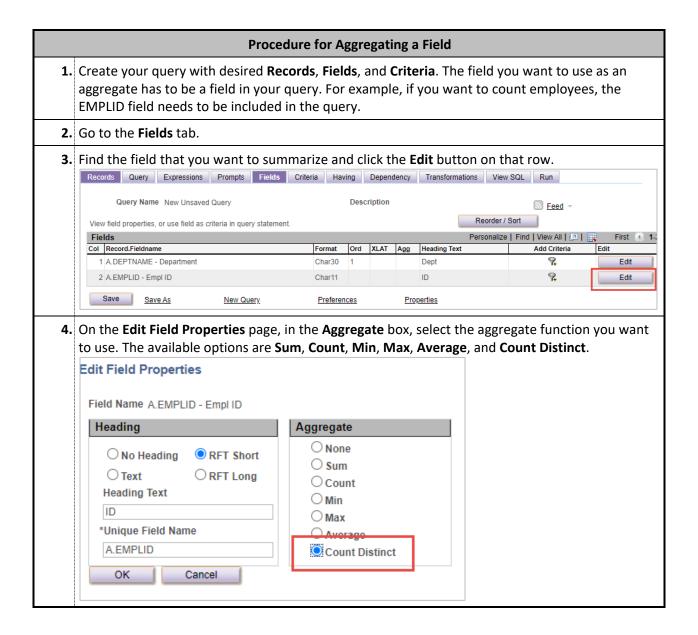
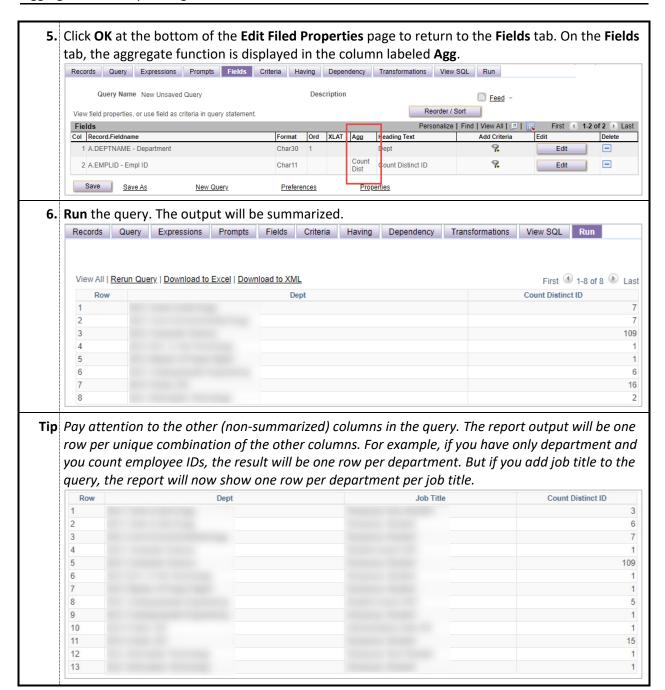
Users can count employees, sum payroll dollars, find most recent paycheck date, and calculate other aggregate values in Query Manager. Aggregates in Query Manager are similar to pivot tables in Microsoft Excel: they allow users to quickly summarize data.

The available aggregate functions are Sum, Count, Minimum, Maximum, Average, and Count Distinct.

Query results can be restricted by aggregate values using the **Having** tab. Aggregates can also be used in **Expressions**.



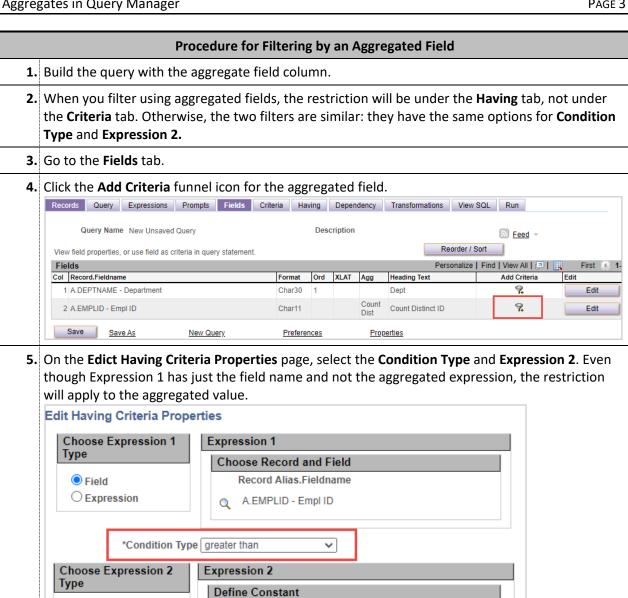


O Field

OK

O Expression Constant O Prompt Subquery

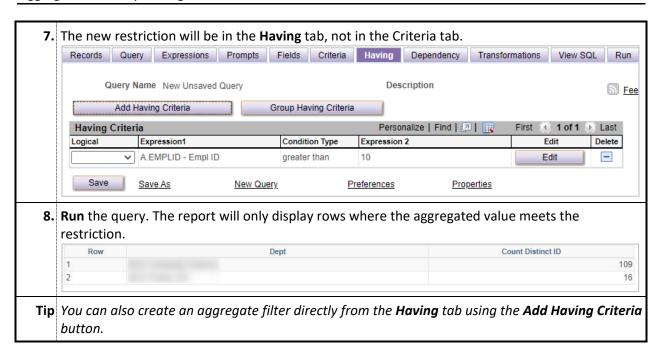
Cancel

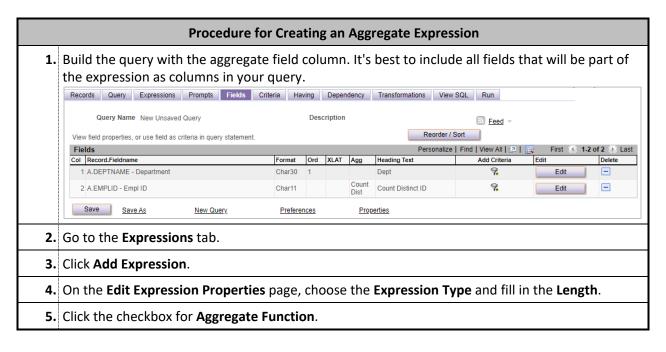


**6.** Click **OK** at the bottom of the **Edit Having Criteria Properties** page.

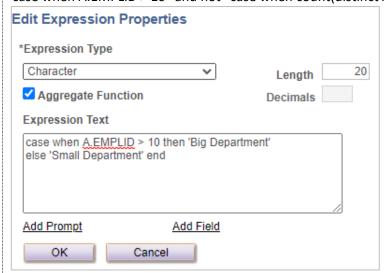
Constant 10

Q

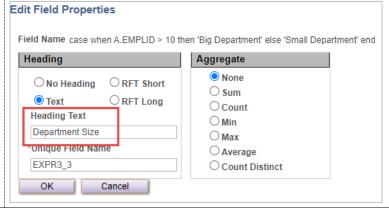




**6.** Type the expression into the **Expression Text** box. When you include the aggregated field, just put in the record alias and the field name. <u>Do not repeat the aggregate function</u>; Query Manager will automatically add it. For example, if A.EMPLID is aggregated with Count Distinct, you would type "case when A.EMPLID > 10" and not "case when count(distinct A.EMPLID) > 10."



- 7. Click **OK** at the bottom of the **Edit Expression Properties** page.
- 8. On the Expressions tab, select Use as Field.
- **9.** On the **Fields** tab, rename the new field using the **Edit** button.



10. Run the query. The expression is now visible as a column in the output.



**Tip** You can filter based on an aggregate expression by clicking the **Add Criteria** funnel icon on the **Expressions** tab or the **Fields** tab. This action will create a **Having** filter.