

Deliverr Support Engineer Prompt

Using the provided sample data, use any DDL (e.g. SQL, PSQL, ANSI SQL, etc.) to generate an inventory age report. An inventory age report is one that shows the distribution of **remaining inventory** across the length of time the inventory has been sitting at the warehouse. As an example, if the warehouse received 100 units yesterday, and shipped out 60 units today, then there are 40 units that are a day old. Your query must produce 4 columns, titled as follows:

- 0-90 days old
- 91-180 days old
- 181-270 days old
- 271-365 days old

Assume the warehouses use a FIFO strategy to manage inventory (i.e. the first unit that came in to the warehouse will be the first unit sent out of the warehouse). A sample inventory age report is shown below (generated from the sample data on 2020-05-27 17:50:15 GMT):

0-90 days old	91-180 days old	181-270 days old	271-365 days old
176	102	0	0

Sample data (PoolInventoryLog)

ID	ONHANDQTY	ONHANDQTYDELTA	EVENTTYPE	CREATED
28223994	278	-99	SHIPPED	2020-05-25 0:19:20
28223993	377	31	WAREHOUSE_POOL_INVENTORY_MOVEMENT	2020-05-24 19:49:06
28223992	346	-1	SHIPPED	2020-05-24 0:19:20
28223991	347	-1	SHIPPED	2020-05-23 22:19:15
28223990	348	102	WAREHOUSE_POOL_INVENTORY_MOVEMENT	2020-04-25 19:49:06
28223989	246	43	WAREHOUSE_POOL_INVENTORY_MOVEMENT	2020-04-25 12:54:15
28223988	203	-2	SHIPPED	2020-02-25 6:56:10
28223987	205	-129	SHIPPED	2020-02-18 7:35:00
28223986	334	-1	SHIPPED	2020-02-18 7:04:29
28223985	335	-27	SHIPPED	2020-01-29 2:55:48
28223984	362	120	WAREHOUSE_POOL_INVENTORY_MOVEMENT	2019-12-31 12:01:12
28223983	242	-8	SHIPPED	2019-05-22 18:02:09
28223982	250	250	WAREHOUSE_POOL_INVENTORY_MOVEMENT	2019-05-20 17:44:50

Explanation of columns:

- ID: the numerical identity of the log entry
- ONHANDQTY: The current available quantity on hand, after the delta is applied
- ONHANDQTYDELTA: The change in on hand quantity as a result of an event
- EVENTTYPE: Either *SHIPPED* or *WAREHOUSE_POOL_INVENTORY_MOVEMENT*. *SHIPPED* is when units are shipped out of the warehouse (outbound),

WAREHOUSE_POOL_INVENTORY_MOVEMENT is when units are received by the warehouse (inbound)

- **CREATED:** The date a log entry was recorded (all times GMT)

The data is sorted in descending chronological order, i.e. the first entry is the latest.

Assessment

Your solution will be assessed on both correctness and the simplicity of approach. The simpler the approach, the better!

Submission guidelines

You must submit 1) the query (not its results), and 2) a note on which DDL was used. Please refrain from uploading your solution to any public site, including GitHub.