We want to generate an inventory age report which would show the distribution of remaining inventory across the length of time the inventory has been sitting at the warehouse. We are trying to classify the inventory on hand across the below 4 buckets to denote the time the inventory has been lying the warehouse.

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

For example, the warehouse received 100 units yesterday and shipped 30 units today, then there are 70 units which are a day old.

The warehouses use FIFO (first in first out) approach to manage inventory, i.e., the inventory that comes first will be sent out first.

ID	OnHandQuantity	OnHandQuantityDelta	event_type	event_datetime
TR0013	278	99	OutBound	25/05/2020 00:25
TR0012	377	31	InBound	24/05/2020 22:00
TR0011	346	1	OutBound	24/05/2020 15:01
TR0010	346	1	OutBound	23/05/2020 05:00
TR009	348	102	InBound	25/04/2020 18:00
TR008	246	43	InBound	25/04/2020 02:00
TR007	203	2	OutBound	25/02/2020 09:00
TR006	205	129	OutBound	18/02/2020 07:00
TR005	334	1	OutBound	18/02/2020 08:00
TR004	335	27	OutBound	29/01/2020 05:00
TR003	362	120	InBound	31/12/2019 02:00
TR002	242	8	OutBound	22/05/2019 00:50
TR001	250	250	InBound	20/05/2019 00:45

Columns:

ID of the log entry

OnHandQuantity: Quantity in warehouse after an event

OnHandQuantityDelta: Change in on-hand quantity due to an event

event_type: Inbound – inventory being brought into the warehouse; Outbound – inventory being sent out of warehouse

event_datetime: date- time of event

The data is sorted with latest entry at top.

Sample output:

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