Problems



```

create table warehouse(

ID varchar(10),

OnHandQuantity int,

OnHandQuantityDelta int,

event\_type varchar(10),

event\_datetime timestamp

);

insert into warehouse values

('SH0013', 178, 99 , 'OutBound', '2020-05-25 0:25'),

('SH0012', 377, 31 , 'InBound', '2020-05-24 22:00'),

('SH0011', 346, 1 , 'OutBound', '2020-05-24 15:01'),

('SH0010', 346, 1 , 'OutBound', '2020-05-23 5:00'),

('SH009', 348, 102, 'InBound', '2020-04-25 18:00'),

('SH008', 246, 43 , 'InBound', '2020-04-25 2:00'),

('SH007', 203, 2 , 'OutBound', '2020-02-25 9:00'),

('SH006', 205, 129, 'OutBound', '2020-02-18 7:00'),

('SH005', 334, 1 , 'OutBound', '2020-02-18 8:00'),

('SH004', 335, 27 , 'OutBound', '2020-01-29 5:00'),

('SH003', 362, 120, 'InBound', '2019-12-31 2:00'),

('SH002', 242, 8 , 'OutBound', '2019-05-22 0:50'),

('SH001', 250, 250, 'InBound', '2019-05-20 0:45');

select \* from warehouse;

with cte as(

select \* from warehouse order by event\_datetime desc

)

, fv as (

select \* from warehouse order by event\_datetime desc limit 1

)

, days\_90 as (

select date\_add(event\_datetime, INTERVAL -90 DAY) as 'day\_90' from fv

)

, days\_180 as (

select date\_add(event\_datetime, INTERVAL -180 DAY) as 'day\_180' from fv

)

, col\_90 as (

select sum(c.OnHandQuantityDelta) as c\_90

from cte c , days\_90

where c.event\_type = 'InBound' and c.event\_datetime >= day\_90

)

, c\_90\_f as (

select case

when c\_90 > fv.OnHandQuantity then OnHandQuantity

else c\_90

end as frm\_90

from col\_90, fv

)

, col\_180 as (

select sum(c.OnHandQuantityDelta) as 'c\_180'

from cte c , days\_180, days\_90

where c.event\_type = 'InBound' and c.event\_datetime between day\_180 and day\_90

)

, c\_180\_f as (

select case

when c\_180 > (fv.OnHandQuantity-frm\_90) then (fv.OnHandQuantity-frm\_90)

else c\_180

end as frm\_180

from col\_180, fv, c\_90\_f

)

select \* from c\_90\_f, c\_180\_f

Output:

ID OnHandQuantity OnHandQuantityDelta event\_type event\_datetime

SH0013 178 99 OutBound 2020-05-25 00:25:00

SH0012 377 31 InBound 2020-05-24 22:00:00

SH0011 346 1 OutBound 2020-05-24 15:01:00

SH0010 346 1 OutBound 2020-05-23 05:00:00

SH009 348 102 InBound 2020-04-25 18:00:00

SH008 246 43 InBound 2020-04-25 02:00:00

SH007 203 2 OutBound 2020-02-25 09:00:00

SH006 205 129 OutBound 2020-02-18 07:00:00

SH005 334 1 OutBound 2020-02-18 08:00:00

SH004 335 27 OutBound 2020-01-29 05:00:00

SH003 362 120 InBound 2019-12-31 02:00:00

SH002 242 8 OutBound 2019-05-22 00:50:00

SH001 250 250 InBound 2019-05-20 00:45:00

frm\_90 frm\_180

176 2

;

```