Inventory Reduction

SQL project

1. Reduce inventory
   - → Order less
   - → Reduce product range
   - → Shorten production cycle
   - → Get rid of middle man
   - →

Work

warehouse	pct Cap	Name	Current Stock
b	67	East	219183
a	72	North	131688
c	50	West	124880
d	75	South	79380

at 100%		Vacant Space
b =	327138	107955
a =	182900	51212
c =	249760	124880
d =	105840	26460

Clearly C has most vacant space &
   b is almost full.

→ Ideal % warehouse Capacity 85-90%
lets consider 85%

at 85%
   b = 278067
   a = 155465
   c = 212296

moving South warehouse(d) into west
warehouse(c) will leave (c) with +8036
worth of stock space.

Since we're combining west & South
warehouse we need to elliminate products
from these departments.

lets understand different product lines
stored in west & South warehouse

warehouse   product line
     c   Vintage Cars
     d   Trucks & Buses, Ships & trains

Now we need to find which product
line has highest sales.

→ Trucks & buses, Ships & Trains have least sales

→ hence shutting South warehouse wont affect sales drastically

We need to now identify if we can eliminate a product based on quantity in stock & total ordered quantity & avg ordered quantity

we can identify 5 such products

S24 _ 5969
S700 _ 2047
S700 _ 3962
S52 _ 1268
S18 _ 4409

Corresponding to its sales figure

S700 _ 2047 corresponds to least sales among the 5 and hence removing this product can save inventory space without much effect to sales.

→ S18 _ 3233 has no sales & hence can be taken off