Chapter2_Part2

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0.1 Chapter 2 Part 2

Akhil Devarapalli

Dr. DeGennaro

Database Design

Page 122-123 Questions to 2.40 to 2.55

Question 2.40 Write an SQL statement to display the SKU, SKU_Description, WarehouseID, WarehouseCity, and WarehouseState for all items stored in the Atlanta, Bangor, or Chicago warehouse. Do not use the IN keyword

```
[65]: sql2_40 = 'SELECT SKU, SKU_Description, INVENTORY.WarehouseID, WarehouseCity, 

→WarehouseState FROM INVENTORY JOIN WAREHOUSE ON INVENTORY.WarehouseID = 

→WAREHOUSE.WarehouseID WHERE WarehouseCity = "Atlanta" OR WarehouseCity = 

→"Bangor" OR WarehouseCity = "Chicago"; '

df = pd.read_sql_query(sql2_40, connection)

df
```

```
[65]:
             SKU
                              SKU_Description WarehouseID WarehouseCity \
      0
          100100
                     Std. Scuba Tank, Yellow
                                                        100
                                                                   Atlanta
      1
          100200
                     Std. Scuba Tank, Magenta
                                                        100
                                                                   Atlanta
      2
                      Dive Mask, Small Clear
          101100
                                                        100
                                                                   Atlanta
      3
          101200
                        Dive Mask, Med Clear
                                                        100
                                                                   Atlanta
      4
                               Half-dome Tent
          201000
                                                        100
                                                                   Atlanta
```

5	202000	Half-dome Tent Vestibule	100	Atlanta
6	301000	Light Fly Climbing Harness	100	Atlanta
7	302000	Locking Carabiner, Oval	100	Atlanta
8	100100	Std. Scuba Tank, Yellow	200	Chicago
9	100200	Std. Scuba Tank, Magenta	200	Chicago
10	101100	Dive Mask, Small Clear	200	Chicago
11	101200	Dive Mask, Med Clear	200	Chicago
12	201000	Half-dome Tent	200	Chicago
13	202000	Half-dome Tent Vestibule	200	Chicago
14	301000	Light Fly Climbing Harness	200	Chicago
15	302000	Locking Carabiner, Oval	200	Chicago
16	100100	Std. Scuba Tank, Yellow	300	Bangor
17	100200	Std. Scuba Tank, Magenta	300	Bangor
18	101100	Dive Mask, Small Clear	300	Bangor
19	101200	Dive Mask, Med Clear	300	Bangor
20	201000	Half-dome Tent	300	Bangor
21	202000	Half-dome Tent Vestibule	300	Bangor
22	301000	Light Fly Climbing Harness	300	Bangor
23	302000	Locking Carabiner, Oval	300	Bangor

WarehouseState

0	GA
1	GA
2	GA
3	GA
4	GA
5	GA
6	GA
7	GA
8	IL
9	IL
10	IL
11	IL
12	IL
13	IL
14	IL
15	IL
16	ME
17	ME
18	ME
19	ME
20	ME
21	ME
22	ME
23	ME

 ${\bf Question~2.41~Write~an~SQL~statement~to~display~the~SKU,~SKU_Description,~WarehouseID,}$

WarehouseCity, and WarehouseState for all items stored in the Atlanta, Bangor, or Chicago warehouse. Use the IN keyword.

```
[66]: sql2_41 = 'SELECT SKU, SKU_Description, INVENTORY.WarehouseID, WarehouseCity, 

→WarehouseState FROM INVENTORY JOIN WAREHOUSE ON INVENTORY.WarehouseID = 

→WAREHOUSE.WarehouseID WHERE WarehouseCity IN ("Atlanta", "Bangor", 

→ "Chicago");'

df = pd.read_sql_query(sql2_41, connection)

df
```

[66]:		SKU	${\tt SKU_Description}$	WarehouseID	WarehouseCity	\
	0	100100	Std. Scuba Tank, Yellow	100	Atlanta	
	1	100200	Std. Scuba Tank, Magenta	100	Atlanta	
	2	101100	Dive Mask, Small Clear	100	Atlanta	
	3	101200	Dive Mask, Med Clear	100	Atlanta	
	4	201000	Half-dome Tent	100	Atlanta	
	5	202000	Half-dome Tent Vestibule	100	Atlanta	
	6	301000	Light Fly Climbing Harness	100	Atlanta	
	7	302000	Locking Carabiner, Oval	100	Atlanta	
	8	100100	Std. Scuba Tank, Yellow	200	${\tt Chicago}$	
	9	100200	Std. Scuba Tank, Magenta	200	${\tt Chicago}$	
	10	101100	Dive Mask, Small Clear	200	Chicago	
	11	101200	Dive Mask, Med Clear	200	Chicago	
	12	201000	Half-dome Tent	200	${\tt Chicago}$	
	13	202000	Half-dome Tent Vestibule	200	Chicago	
	14	301000	Light Fly Climbing Harness	200	Chicago	
	15	302000	Locking Carabiner, Oval	200	Chicago	
	16	100100	Std. Scuba Tank, Yellow	300	Bangor	
	17	100200	Std. Scuba Tank, Magenta	300	Bangor	
	18	101100	Dive Mask, Small Clear	300	Bangor	
	19	101200	Dive Mask, Med Clear	300	Bangor	
	20	201000	Half-dome Tent	300	Bangor	
	21	202000	Half-dome Tent Vestibule	300	Bangor	
	22	301000	Light Fly Climbing Harness	300	Bangor	
	23	302000	Locking Carabiner, Oval	300	Bangor	

WarehouseState

0	GA
1	GA
2	GA
3	GA
4	GA
5	GA
6	GA
7	GA
8	IL
9	IL

10	IL
11	IL
12	IL
13	IL
14	IL
15	IL
16	ME
17	ME
18	ME
19	ME
20	ME
21	ME
22	ME
23	ME

Question 2.42 Write an SQL statement to display the SKU, SKU_Description, WarehouseID, WarehouseCity, and WarehouseState of all items not stored in the Atlanta, Bangor, or Chicago warehouse. Do not use the NOT IN keyword.

```
[67]: sql2_42 = 'SELECT SKU, SKU_Description, INVENTORY.WarehouseID, WarehouseCity, 

→ WarehouseState FROM INVENTORY JOIN WAREHOUSE ON INVENTORY.WarehouseID = 

→ WAREHOUSE.WarehouseID WHERE WarehouseCity != "Atlanta" AND WarehouseCity != 

→ "Bangor" AND WarehouseCity != "Chicago"; '

df = pd.read_sql_query(sql2_42, connection)

df
```

[67]:		SKU		SKU_D	escription	WarehouseID	WarehouseCity	. \
	0 100	100	Std	. Scuba Ta	nk, Yellow	400	Seattle	;
	1 100	200	Std.	Scuba Tan	ık, Magenta	400	Seattle	;
	2 101	100	Di	ve Mask, S	Small Clear	400	Seattle	;
	3 101	200]	Dive Mask,	Med Clear	400	Seattle	;
	4 201	.000		Half	-dome Tent	400	Seattle	;
	5 202	2000	Half	-dome Tent	Vestibule	400	Seattle	;
	6 301	.000 L:	ight l	Fly Climbi	ng Harness	400	Seattle	;
	7 302	2000	Loc	king Carab	oiner, Oval	400	Seattle	ļ.

```
WarehouseState
0
                 WA
1
                 WA
2
                 WA
3
                 WA
4
                 WA
5
                 WA
6
                 WA
7
                 WA
```

Question 2.43 Write an SQL statement to display the SKU, SKU_Description, WarehouseID, WarehouseCity, and WarehouseState of all items not stored in the Atlanta, Bangor, or Chicago

warehouse. Use the NOT IN keyword.

```
[68]: sql2_43 = 'SELECT SKU, SKU_Description, INVENTORY.WarehouseID, WarehouseCity, □

→WarehouseState FROM INVENTORY JOIN WAREHOUSE ON INVENTORY.WarehouseID = □

→WAREHOUSE.WarehouseID WHERE WarehouseCity NOT IN ("Atlanta", "Bangor", □

→"Chicago");'

df = pd.read_sql_query(sql2_43, connection)

df

[68]: SKU SKU_Description WarehouseID WarehouseCity \

0 100100 Std_Scuba_Tark_Valloy Accounts Scottle
```

```
[68]:
      0 100100
                    Std. Scuba Tank, Yellow
                                                      400
                                                                 Seattle
                   Std. Scuba Tank, Magenta
      1 100200
                                                      400
                                                                 Seattle
                     Dive Mask, Small Clear
      2 101100
                                                                 Seattle
                                                      400
      3 101200
                       Dive Mask, Med Clear
                                                      400
                                                                 Seattle
      4 201000
                             Half-dome Tent
                                                      400
                                                                 Seattle
                   Half-dome Tent Vestibule
      5 202000
                                                      400
                                                                 Seattle
      6 301000
                 Light Fly Climbing Harness
                                                      400
                                                                 Seattle
      7 302000
                    Locking Carabiner, Oval
                                                      400
                                                                 Seattle
```

WarehouseState 0 WA 1 WA 2 WA 3 WA 4 WA 5 WA 6 WA 7 WA

Question 2.44 Write an SQL statement to produce a single column called ItemLocation that combines the SKU_Description, the phrase "is located in," and WarehouseCity. Do not be concerned with removing leading or trailing blanks.

```
[69]: sql2_44 = 'SELECT CONCAT(INVENTORY.SKU_Description, " located in ", WAREHOUSE.

→WarehouseCity) AS ItemLocation FROM INVENTORY JOIN WAREHOUSE ON INVENTORY.

→WarehouseID = WAREHOUSE.WarehouseID;'

df = pd.read_sql_query(sql2_44, connection)

df
```

```
[69]:
                                            ItemLocation
      0
             Std. Scuba Tank, Yellow located in Atlanta
      1
            Std. Scuba Tank, Magenta located in Atlanta
      2
              Dive Mask, Small Clear located in Atlanta
      3
                Dive Mask, Med Clear located in Atlanta
      4
                      Half-dome Tent located in Atlanta
            Half-dome Tent Vestibule located in Atlanta
      5
      6
          Light Fly Climbing Harness located in Atlanta
             Locking Carabiner, Oval located in Atlanta
```

```
8
       Std. Scuba Tank, Yellow located in Chicago
9
      Std. Scuba Tank, Magenta located in Chicago
10
        Dive Mask, Small Clear located in Chicago
11
          Dive Mask, Med Clear located in Chicago
12
                Half-dome Tent located in Chicago
13
      Half-dome Tent Vestibule located in Chicago
    Light Fly Climbing Harness located in Chicago
14
       Locking Carabiner, Oval located in Chicago
15
        Std. Scuba Tank, Yellow located in Bangor
16
17
       Std. Scuba Tank, Magenta located in Bangor
         Dive Mask, Small Clear located in Bangor
18
19
           Dive Mask, Med Clear located in Bangor
20
                 Half-dome Tent located in Bangor
21
       Half-dome Tent Vestibule located in Bangor
22
     Light Fly Climbing Harness located in Bangor
        Locking Carabiner, Oval located in Bangor
23
24
       Std. Scuba Tank, Yellow located in Seattle
25
      Std. Scuba Tank, Magenta located in Seattle
26
        Dive Mask, Small Clear located in Seattle
27
          Dive Mask, Med Clear located in Seattle
28
                Half-dome Tent located in Seattle
29
      Half-dome Tent Vestibule located in Seattle
    Light Fly Climbing Harness located in Seattle
30
       Locking Carabiner, Oval located in Seattle
31
```

Question 2.45 Write an SQL statement to show the SKU, SKU_Description, and WarehouseID for all items stored in a warehouse managed by 'Lucille Smith'. Use a subquery.

```
[70]: sql2_45 = 'SELECT SKU, SKU_Description, WarehouseID FROM INVENTORY WHERE

→WarehouseID IN (SELECT WarehouseID FROM WAREHOUSE WHERE Manager = "Lucille

→Smith");'

df = pd.read_sql_query(sql2_45, connection)

df
```

[70]]:	SKU	${\tt SKU_Description}$	WarehouseID
	0	100100	Std. Scuba Tank, Yellow	200
	1	100200	Std. Scuba Tank, Magenta	200
	2	101100	Dive Mask, Small Clear	200
	3	101200	Dive Mask, Med Clear	200
	4	201000	Half-dome Tent	200
	5	202000	Half-dome Tent Vestibule	200
	6	301000	Light Fly Climbing Harness	200
	7	302000	Locking Carabiner, Oval	200

Question 2.46 Write an SQL statement to show the SKU, SKU_Description, and WarehouseID for all items stored in a warehouse managed by 'Lucille Smith'. Use a join, but do not use JOIN ON syntax.

```
[71]: sql2_46 = 'SELECT SKU, SKU_Description, INVENTORY.WarehouseID FROM INVENTORY

→JOIN WAREHOUSE WHERE INVENTORY.WarehouseID = WAREHOUSE.WarehouseID AND

→WAREHOUSE.Manager = "Lucille Smith";'

df = pd.read_sql_query(sql2_46, connection)

df

[71]: SKU SKU_Description WarehouseID
```

```
[71]:
                    Std. Scuba Tank, Yellow
      0
         100100
                                                      200
                   Std. Scuba Tank, Magenta
      1 100200
                                                      200
      2 101100
                     Dive Mask, Small Clear
                                                      200
      3 101200
                       Dive Mask, Med Clear
                                                      200
      4 201000
                             Half-dome Tent
                                                      200
      5 202000
                   Half-dome Tent Vestibule
                                                      200
      6 301000
                Light Fly Climbing Harness
                                                      200
      7 302000
                    Locking Carabiner, Oval
                                                      200
```

Question 2.47 Write an SQL statement to show the SKU, SKU_Description, and WarehouseID for all items stored in a warehouse managed by 'Lucille Smith'. Use a join using JOIN ON syntax.

```
[72]: sql2_47 = "SELECT SKU, SKU_Description, INVENTORY.WarehouseID FROM INVENTORY_

→JOIN WAREHOUSE ON INVENTORY.WarehouseID = WAREHOUSE.WarehouseID WHERE_

→WAREHOUSE.Manager = 'Lucille Smith';"

df = pd.read_sql_query(sql2_47, connection)

df
```

```
[72]:
            SKU
                            SKU_Description WarehouseID
                    Std. Scuba Tank, Yellow
        100100
      0
                                                      200
                   Std. Scuba Tank, Magenta
      1 100200
                                                      200
                     Dive Mask, Small Clear
      2 101100
                                                     200
      3 101200
                       Dive Mask, Med Clear
                                                     200
      4 201000
                             Half-dome Tent
                                                     200
      5 202000
                   Half-dome Tent Vestibule
                                                     200
      6 301000
                Light Fly Climbing Harness
                                                     200
      7 302000
                    Locking Carabiner, Oval
                                                     200
```

Question 2.48 Write an SQL statement to show the WarehouseID and average QuantityOnHand of all items stored in a warehouse managed by 'Lucille Smith'. Use a subquery.

```
[73]: sql2_48 = 'SELECT AVG(QuantityOnHand), INVENTORY.WarehouseID FROM INVENTORY

→WHERE WarehouseID IN (SELECT WarehouseID FROM WAREHOUSE WHERE Manager =

→"Lucille Smith")GROUP BY WarehouseID;'

df = pd.read_sql_query(sql2_48, connection)

df
```

```
[73]: AVG(QuantityOnHand) WarehouseID 0 217.0 200
```

Question 2.49 Write an SQL statement to show the WarehouseID and average QuantityOnHand

of all items stored in a warehouse managed by 'Lucille Smith'. Use a join, but do not use JOIN ON syntax.

```
[74]: sql2_49 = 'SELECT INVENTORY.WarehouseID, AVG(QuantityOnHand)FROM INVENTORY JOIN

→WAREHOUSE WHERE INVENTORY.WarehouseID = WAREHOUSE.WarehouseID AND Manager =

→"Lucille Smith" GROUP BY WarehouseID;'

df = pd.read_sql_query(sql2_49, connection)

df
```

```
[74]: WarehouseID AVG(QuantityOnHand)
0 200 217.0
```

Question 2.50 Write an SQL statement to show the WarehouseID and average QuantityOnHand of all items stored in warehouse managed by 'Lucille Smith'. Use a join using JOIN ON syntax.

```
[75]: sql2_50 = 'SELECT INVENTORY.WarehouseID, AVG(QuantityOnHand) FROM INVENTORY_

→JOIN WAREHOUSE ON INVENTORY.WarehouseID = WAREHOUSE.WarehouseID WHERE_

→Manager = "Lucille Smith" GROUP BY WarehouseID;'

df = pd.read_sql_query(sql2_50, connection)

df
```

```
[75]: WarehouseID AVG(QuantityOnHand)
0 200 217.0
```

Question 2.51 Write an SQL statement to show the WarehouseID, WarehouseCity, WarehouseState, Manager, SKU, SKU_Description, and QuantityOnHand of all items stored in a warehouse managed by 'Lucille Smith'. Use a join using JOIN ON syntax.

```
[76]: sql2_51 = 'SELECT WAREHOUSE.WarehouseID, WAREHOUSE.WarehouseCity, WAREHOUSE.

→WarehouseState, WAREHOUSE.Manager, INVENTORY.SKU, INVENTORY.SKU_Description,

→INVENTORY.QuantityOnHand FROM WAREHOUSE JOIN INVENTORY ON WAREHOUSE.

→WarehouseID = INVENTORY.WarehouseID WHERE Manager = "Lucille Smith";'

df = pd.read_sql_query(sql2_51, connection)

df
```

```
[76]:
        WarehouseID WarehouseCity WarehouseState
                                                         Manager
                                                                     SKU
      0
                 200
                           Chicago
                                               IL Lucille Smith 100100
      1
                 200
                           Chicago
                                               IL Lucille Smith 100200
                           Chicago
                                               IL Lucille Smith 101100
      2
                 200
      3
                 200
                           Chicago
                                               IL Lucille Smith 101200
      4
                 200
                           Chicago
                                               IL Lucille Smith 201000
      5
                 200
                           Chicago
                                               IL Lucille Smith 202000
                           Chicago
                                               IL Lucille Smith 301000
      6
                 200
      7
                                               IL Lucille Smith 302000
                 200
                           Chicago
```

```
SKU_Description QuantityOnHand
O Std. Scuba Tank, Yellow 100
1 Std. Scuba Tank, Magenta 75
```

2	Dive Mask, Small Clear	0
3	Dive Mask, Med Clear	50
4	Half-dome Tent	10
5	Half-dome Tent Vestibule	1
6	Light Fly Climbing Harness	250
7	Locking Carabiner, Oval	1250

Question 2.52 Write an SQL statement to display the WarehouseID, the sum of QuantityOnOrder, and the sum of QuantityOnHand, grouped by WarehouseID and QuantityOnOrder. Name the sum of QuantityOnOrder as TotalItemsOnOrder and the sum of Quantity OnHand as TotalItemsOnHand. Use only the INVENTORY table in your SQL statement.

```
[77]: sql2_52 = 'SELECT WarehouseID, SUM(QuantityOnOrder) AS TotalItemsOnOrder, 

→SUM(QuantityOnHand) AS TotalItemsOnHand FROM INVENTORY GROUP BY WarehouseID, 

→QuantityOnOrder; '

df = pd.read_sql_query(sql2_52, connection)

df
```

[77]:		WarehouseID	TotalItemsOnOrder	TotalItemsOnHand
	0	100	0.0	1250.0
	1	100	30.0	200.0
	2	100	100.0	2.0
	3	100	500.0	310.0
	4	100	1000.0	100.0
	5	200	0.0	1250.0
	6	200	50.0	100.0
	7	200	75.0	75.0
	8	200	750.0	261.0
	9	200	1000.0	50.0
	10	300	0.0	925.0
	11	300	100.0	100.0
	12	300	200.0	300.0
	13	300	250.0	0.0
	14	300	500.0	500.0
	15	400	0.0	900.0
	16	400	200.0	0.0
	17	400	750.0	250.0
	18	400	1000.0	0.0

Question 2.53 Explain why you cannot use a subquery in your answer to Review Question 2.52 Answer --> A subquery needs you to query another table. In 2.52 you could only query the INVENTORY table

Question 2.54 Explain how subqueries and joins differ. Answer --> A subquery can only be used to retreive data from the top table, whereas a join can be used to obtain data from any number of tables.

 ${\bf Question~2.55~Write~an~SQL~statement~to~join~WAREHOUSE~and~INVENTORY~and~include~all}$

rows of WAREHOUSE in your answer, regardless of whether they have any INVENTORY. Include all columns of both tables, but do not repeat the join column.

```
[78]: sql2_55 = 'SELECT WAREHOUSE.WarehouseID, WAREHOUSE.WarehouseCity, WAREHOUSE.

→WarehouseCity, WAREHOUSE.SquareFeet, WAREHOUSE.Manager, INVENTORY.SKU,

→INVENTORY.SKU_Description, INVENTORY.QuantityOnHand, INVENTORY.

→QuantityOnOrder FROM WAREHOUSE LEFT OUTER JOIN INVENTORY ON WAREHOUSE.

→WarehouseID = INVENTORY.WarehouseID;'

df = pd.read_sql_query(sql2_55, connection)

df
```

[78]:	WarehouseID	WarehouseCity	WarehouseCity	${\tt SquareFeet}$	Manager \
0	100	Atlanta	Atlanta	125000	Dave Jones
1	100	Atlanta	Atlanta	125000	Dave Jones
2	100	Atlanta	Atlanta	125000	Dave Jones
3	100	Atlanta	Atlanta	125000	Dave Jones
4	100	Atlanta	Atlanta	125000	Dave Jones
5	100	Atlanta	Atlanta	125000	Dave Jones
6	100	Atlanta	Atlanta	125000	Dave Jones
7	100	Atlanta	Atlanta	125000	Dave Jones
8	200	${\tt Chicago}$	${\tt Chicago}$	100000	Lucille Smith
9	200	Chicago	${\tt Chicago}$	100000	Lucille Smith
10	200	Chicago	${\tt Chicago}$	100000	Lucille Smith
11	200	${ t Chicago}$	${\tt Chicago}$	100000	Lucille Smith
12	200	Chicago	${\tt Chicago}$	100000	Lucille Smith
13	200	Chicago	${\tt Chicago}$	100000	Lucille Smith
14	200	Chicago	${\tt Chicago}$	100000	Lucille Smith
15	200	Chicago	${\tt Chicago}$	100000	Lucille Smith
16	300	Bangor	Bangor	150000	Bart Evans
17	300	Bangor	Bangor	150000	Bart Evans
18	300	Bangor	Bangor	150000	Bart Evans
19	300	Bangor	Bangor	150000	Bart Evans
20	300	Bangor	Bangor	150000	Bart Evans
21	300	Bangor	Bangor	150000	Bart Evans
22	300	Bangor	Bangor	150000	Bart Evans
23	300	Bangor	Bangor	150000	Bart Evans
24	400	Seattle	Seattle	130000	Dale Rogers
25	400	Seattle	Seattle	130000	Dale Rogers
26	400	Seattle	Seattle	130000	Dale Rogers
27	400	Seattle	Seattle	130000	Dale Rogers
28	400	Seattle	Seattle	130000	Dale Rogers
29	400	Seattle	Seattle	130000	Dale Rogers
30	400	Seattle	Seattle	130000	Dale Rogers
31	400	Seattle	Seattle	130000	Dale Rogers
32	500	San Francisco	San Francisco	200000	Grace Jefferson

SKU SKU_Description QuantityOnHand QuantityOnOrder

0	100100.0	Std. Scuba Tank, Yellow	250.0	0.0
1	100200.0	Std. Scuba Tank, Magenta	200.0	30.0
2	101100.0	Dive Mask, Small Clear	0.0	500.0
3	101200.0	Dive Mask, Med Clear	100.0	500.0
4	201000.0	Half-dome Tent	2.0	100.0
5	202000.0	Half-dome Tent Vestibule	10.0	250.0
6	301000.0	Light Fly Climbing Harness	300.0	250.0
7	302000.0	Locking Carabiner, Oval	1000.0	0.0
8	100100.0	Std. Scuba Tank, Yellow	100.0	50.0
9	100200.0	Std. Scuba Tank, Magenta	75.0	75.0
10	101100.0	Dive Mask, Small Clear	0.0	500.0
11	101200.0	Dive Mask, Med Clear	50.0	500.0
12	201000.0	Half-dome Tent	10.0	250.0
13	202000.0	Half-dome Tent Vestibule	1.0	250.0
14	301000.0	Light Fly Climbing Harness	250.0	250.0
15	302000.0	Locking Carabiner, Oval	1250.0	0.0
16	100100.0	Std. Scuba Tank, Yellow	100.0	0.0
17	100200.0	Std. Scuba Tank, Magenta	100.0	100.0
18	101100.0	Dive Mask, Small Clear	300.0	200.0
19	101200.0	Dive Mask, Med Clear	475.0	0.0
20	201000.0	Half-dome Tent	250.0	0.0
21	202000.0	Half-dome Tent Vestibule	100.0	0.0
22	301000.0	Light Fly Climbing Harness	0.0	250.0
23	302000.0	Locking Carabiner, Oval	500.0	500.0
24	100100.0	Std. Scuba Tank, Yellow	200.0	0.0
25	100200.0	Std. Scuba Tank, Magenta	250.0	0.0
26	101100.0	Dive Mask, Small Clear	450.0	0.0
27	101200.0	Dive Mask, Med Clear	250.0	250.0
28	201000.0	Half-dome Tent	0.0	250.0
29	202000.0	Half-dome Tent Vestibule	0.0	200.0
30	301000.0	Light Fly Climbing Harness	0.0	250.0
31	302000.0	Locking Carabiner, Oval	0.0	1000.0
32	NaN	None	NaN	NaN