

Started on Saturday, 28 April 2018, 11:07 AM

State Finished

Completed on Tuesday, 1 May 2018, 11:26 AM

Time taken 3 days

Grade Not yet graded

Question **1**

Complete

Marked out of 5.00

2.34 Write an SQL statement that uses all of the SQL built-in functions on the QuantityOnHand column. Include meaningful column names in the result.

```
SELECT SUM(QuantityOnHand) AS Inventory, AVG(QuantityOnHand) AS AvgInv, MIN(QuantityOnHand) AS MinInv, MAX(QuantityOnHand) AS MaxInv, COUNT(QuantityOnHand) AS TotalInve FROM INVENTORY;
```

Question **2**

Complete

Marked out of 5.00

2.37 Write an SQL statement to display the WarehouseID and the sum of QuantityOnHand, grouped by WarehouseID. Omit all SKU items that have 3 or more items on hand from the sum, and name the sum TotalItemsOnHandLT3 and display the results in descending order of TotalItemsOnHandLT3.

```
SELECT WarehouseID, SUM(QuantityOnHand) AS ItemsOnHand
FROM INVENTORY
GROUP BY WarehouseID
ORDER BY ItemsOnHand DESC;
```

Question **3**

Complete

Marked out of 5.00

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.

```
SELECT SKU, SKU_Description, WAREHOUSE.WarehouseID, WarehouseCity, WarehouseState
FROM INVENTORY, WAREHOUSE
WHERE INVENTORY.WarehouseID=WAREHOUSE.WarehouseID
AND (WarehouseCity = 'Atlanta' OR WarehouseCity = 'Bangor' OR WarehouseCity = 'Chicago')
```

Question **4**

Complete

Marked out of 5.00

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.

```
SELECT SKU, SKU_Description, WAREHOUSE.WarehouseID, WarehouseCity, WarehouseState
FROM INVENTORY, WAREHOUSE
WHERE INVENTORY.WarehouseID=WAREHOUSE.WarehouseID
AND WarehouseCity NOT IN ('Atlanta', 'Bangor', 'Chicago');
```

Question **5**

Complete

Marked out of 5.00

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

```
SELECT SKU, SKU_Description, WarehouseID
FROM INVENTORY
WHERE WarehouseID IN
(SELECT WarehouseID
FROM WAREHOUSE
WHERE Manager = 'Lucille Smith');
```

Question **6**

Complete

Marked out of 5.00

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.

```
select oi.sku, sku_description, sd.warehouseid from INVENTORY as oi left
join WAREHOUSE as sd on oi.WarehouseID=sd.warehouseID order by
oi.sku, sd.warehouseID;
```

Question **7**

Complete

Marked out of 5.00

2-47 Write an SQL statement to show the SKU, SKU_Description, WarehouseID for all items stored in a warehouse managed by 'Lucille Smith'. Use a join using JOIN ON syntax.

```
SELECT oi.sku, sku_description, sd.Warehouseid FROM INVENTORY AS oi  
JOIN WAREHOUSE AS sd ON oi.WarehouseID=sd.WarehouseID WHERE  
sd.Manager LIKE 'Lucille Smith' ORDER BY oi.sku, sd.WarehouseID;
```

Question **8**

Complete

Marked out of 5.00

2.50 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 using JOIN ON syntax.

```
SELECT t1.WarehouseID, AVG(t1.QuantityOnHand) AS  
AvgQuanOnHanSmith FROM INVENTORY as t1 INNER JOIN WAREHOUSE as  
t2 ON t1.WarehouseID = t2.WarehouseID WHERE t2.Manager LIKE 'Lucille  
Smith' GROUP BY SKU;
```

Question **9**

Complete

Marked out of 5.00

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. Run this statement.

Hint uses left or right join

```
SELECT * FROM WAREHOUSE LEFT JOIN INVENTORY ON  
WAREHOUSE.warehouseID = INVENTORY.WarehouseID GROUP BY  
WAREHOUSE.warehouseID, INVENTORY.sku;
```

Question **10**

Complete

Marked out of 5.00

Use both the CATALOG_SKU_2013 and CATALOG_SKU_2014 tables to answer Review Questions 2.56 through 2.60 (for MySQL, 2.56 and 2.57 only):

2.56 Write an SQL statement to display the SKU, SKU_Description, and Department of all SKUs that appear in either the Cape Codd 2013 Catalog (either in the printed catalog or on the Web site) or the Cape Codd 2014 catalog (either in the printed catalog or on the Web site) or both.

```
SELECT SKU, SKU_description, Department FROM SKU_DATA WHERE SKU  
IN (SELECT SKU FROM CATALOG_SKU_2013 WHERE CatalogPage OR  
DateOnWebsite is NOT NULL UNION SELECT SKU FROM  
CATALOG_SKU_2014 WHERE CatalogPage OR DateOnWebsite is NOT  
NULL);
```

Question **11**

Complete

Marked out of 5.00

Use both the CATALOG_SKU_2013 and CATALOG_SKU_2014 tables to answer Review Questions 2.56 through 2.60 (for MySQL, 2.56 and 2.57 only):

2.57 Write an SQL statement to display the SKU, SKU_Description, and Department of all SKUs that appear in either the Cape Codd 2013 Catalog (only in the printed catalog) or the Cape Codd 2014 catalog (only in the printed catalog) or both.

```
SELECT SKU, SKU_description, Department FROM SKU_DATA WHERE SKU  
IN (SELECT SKU FROM CATALOG_SKU_2013 WHERE CatalogPage is NOT  
NULL UNION SELECT SKU FROM CATALOG_SKU_2014 WHERE CatalogPage  
is NOT NULL);
```