

Started on Thursday, 12 April 2018, 10:21 AM

State Finished

Completed on Tuesday, 17 April 2018, 6:07 PM

Time taken 5 days 7 hours

Grade Not yet graded

Question **1**

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-31 *** */
```

```
SELECT      *
```

```
FROM        CATALOG_SKU_2015
```

```
WHERE       CatalogPage IS NOT NULL;
```

```
SELECT * FROM CATALOG_SKU_2015 WHERE CatalogPage IS NULL;
```

```
+-----+-----+-----+-----+-----+-----+
```

```
| CatalogID | SKU | SKU_Description | Department | CatalogPage |  
DateOnWebSite |
```

```
+-----+-----+-----+-----+-----+-----+
```

```
| 20150007 | 203000 | Half-dome Tent Vestibule - Wide | Camping | NULL  
| 2015-04-01 |
```

```
+-----+-----+-----+-----+-----+-----+
```

```
1 row in set (0.00 sec)
```

Question **2**

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-33 *** */
```

```
SELECT      SUM(OrderTotal) AS OrderSum
FROM        RETAIL_ORDER;
```

```
SELECT AVG(OrderTotal) AS OrderSum FROM RETAIL_ORDER;
```

```
+-----+
```

```
| OrderSum |
```

```
+-----+
```

```
| 411.666667 |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

Question **3**

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-35 *** */
```

```
SELECT      SUM(ExtendedPrice) AS OrderItemSum,
             AVG(ExtendedPrice) AS OrderItemAvg,
             MIN(ExtendedPrice) AS OrderItemMin,
             MAX(ExtendedPrice) AS OrderItemMax
FROM        ORDER_ITEM;
```

```
SELECT SUM(Price) AS OrderItemPriceSum, AVG(Quantity) AS
OrderItemQuantityAvg, MIN(ExtendedPrice) AS OrderItemMin,
MAX(OrderNumber) AS OrderItemOrderNumberMax FROM ORDER_ITEM;
```

```
+-----+-----+-----+-----+
```

```
| OrderItemPriceSum | OrderItemQuantityAvg | OrderItemMin |
OrderItemOrderNumberMax |
```

```
+-----+-----+-----+-----+
```

```
|      930.00 |      1.7143 |      50.00 |      3000 |
```

```
+-----+-----+-----+-----+
```

```
1 row in set (0.00 sec)
```

Question **4**

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-36 *** */  
  
SELECT      COUNT(*) AS NumberOfRows  
  
FROM        ORDER_ITEM;
```

```
SELECT COUNT(Price) AS NumberOfPrices FROM ORDER_ITEM;
```

```
+-----+
```

```
| NumberOfPrices |
```

```
+-----+
```

```
|          7 |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

Question **5**

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-38 *** */  
  
SELECT      COUNT(DISTINCT Department) AS DeptCount  
  
FROM        SKU_DATA;
```

```
SELECT COUNT(DISTINCT SKU_Description) AS DescriptionCount FROM  
SKU_DATA;
```

```
+-----+
```

```
| DescriptionCount |
```

```
+-----+
```

```
|          8 |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

Question 6

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-42 *** */
```

```
SELECT      OrderNumber, SKU, (Quantity * Price) AS EP  
FROM        ORDER_ITEM  
  
ORDER BY    OrderNumber, SKU;
```

```
SELECT OrderNumber, SKU, (ExtendedPrice - Price) AS MarkUp FROM  
ORDER_ITEM ORDER BY Quantity, SKU;
```

```
+-----+-----+-----+
```

```
| OrderNumber | SKU   | MarkUp |
```

```
+-----+-----+-----+
```

```
|      3000 | 100200 |  0.00 |  
|      3000 | 101200 |  0.00 |  
|      1000 | 201000 |  0.00 |  
|      1000 | 202000 |  0.00 |  
|      3000 | 101100 | 50.00 |  
|      2000 | 101200 | 50.00 |  
|      2000 | 101100 |150.00 |
```

```
+-----+-----+-----+
```

```
7 rows in set (0.00 sec)
```

Question 7

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-45-MySQL *** */
```

```
SELECT      SKU, SKU_Description,  
            CONCAT(Buyer, ' in ', Department) AS Sponsor  
FROM        SKU_DATA  
ORDER BY    SKU;
```

```
SELECT Buyer, CONCAT (SKU_Description, ' was purchased.') AS  
Purchased FROM SKU_DATA ORDER BY SKU;
```

```
+-----+-----+  
| Buyer      | Purchased                               |  
+-----+-----+  
| Pete Hansen | Std. Scuba Tank, Yellow was purchased. |  
| Pete Hansen | Std. Scuba Tank, Magenta was purchased. |  
| Nancy Meyers | Dive Mask, Small Clear was purchased. |  
| Nancy Meyers | Dive Mask, Med Clear was purchased. |  
| Cindy Lo    | Half-dome Tent was purchased.         |  
| Cindy Lo    | Half-dome Tent Vestibule was purchased. |  
| Jerry Martin | Light Fly Climbing Harness was purchased. |  
| Jerry Martin | Locking Carabiner, Oval was purchased. |  
+-----+-----+  
8 rows in set (0.00 sec)
```

Question **8**

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-46 *** */
```

```
SELECT      SKU, SKU_Description,  
            RTRIM(Buyer)+' in '+RTRIM(Department) AS Sponsor  
FROM        SKU_DATA  
ORDER BY    SKU;
```

```
SELECT SKU, RTRIM(SKU_Description),' purchased by ',RTRIM(Buyer) AS  
Sponsor FROM SKU_DATA ORDER BY
```

```
+-----+-----+-----+-----+  
| SKU   | RTRIM(SKU_Description) | purchased by | Sponsor |  
+-----+-----+-----+-----+  
| 100100 | Std. Scuba Tank, Yellow | purchased by | Pete Hansen |  
| 100200 | Std. Scuba Tank, Magenta | purchased by | Pete Hansen |  
| 101100 | Dive Mask, Small Clear | purchased by | Nancy Meyers |  
| 101200 | Dive Mask, Med Clear | purchased by | Nancy Meyers |  
| 201000 | Half-dome Tent | purchased by | Cindy Lo |  
| 202000 | Half-dome Tent Vestibule | purchased by | Cindy Lo |  
| 301000 | Light Fly Climbing Harness | purchased by | Jerry Martin |  
| 302000 | Locking Carabiner, Oval | purchased by | Jerry Martin |
```

```
+-----+-----+-----+-----+
```

```
8 rows in set (0.00 sec)
```

Question 9

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-48 *** */
```

```
SELECT    Department, COUNT(SKU) AS NumberOfCatalogItems
FROM      CATALOG_SKU_2014

WHERE     CatalogPage IS NOT NULL

GROUP BY  Department;
```

```
SELECT Department, COUNT(CatalogID) AS NumberOfCatalogID FROM
CATALOG_SKU_2015 WHERE CatalogPage IS NOT NULL GROUP BY
Department;
```

```
+-----+-----+
```

```
| Department | NumberOfCatalogID |
```

```
+-----+-----+
```

```
| Camping   |          2 |
```

```
| Climbing  |          2 |
```

```
| Water Sports |         4 |
```

```
+-----+-----+
```

```
3 rows in set (0.00 sec)
```

Question **10**

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-49 *** */
```

```
SELECT    Department, COUNT(SKU) AS NumberOfCatalogItems
FROM      CATALOG_SKU_2014
WHERE     CatalogPage IS NOT NULL
GROUP BY  Department
HAVING    COUNT(SKU) > 2;
```

```
SELECT Department, COUNT(SKU) AS SKUOfCatalogItemsNull FROM
CATALOG_SKU_2015 WHERE CatalogPage IS NULL GROUP BY Department
HAVING COUNT(SKU) < 3;
```

```
+-----+-----+
| Department | SKUOfCatalogItemsNull |
+-----+-----+
| Camping | 1 |
+-----+-----+
1 row in set (0.00 sec)
```


Question 11

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-50 *** */
```

```
SELECT      Department, Buyer,  
            COUNT(SKU) AS Dept_Buyer_SKU_Count  
FROM        SKU_DATA  
GROUP BY    Department, Buyer;
```

You need to modify this for the CATALOG_SKU that has data in it !!!!

```
SELECT Buyer, Department, COUNT(Department) As  
Buyer_Depart__SKU_Count FROM SKU_DATA GROUP BY Buyer;
```

```
+-----+-----+-----+  
| Buyer | Department | Buyer_Depart__SKU_Count |  
+-----+-----+-----+  
| Cindy Lo | Camping | 2 |  
| Jerry Martin | Climbing | 2 |  
| Nancy Meyers | Water Sports | 2 |  
| Pete Hansen | Water Sports | 2 |
```

```
+-----+-----+-----+  
4 rows in set (0.00 sec)
```

Question 12

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-52 *** */  
  
SELECT      Department, COUNT(SKU) AS Dept_SKU_Count  
  
FROM        SKU_DATA  
  
WHERE       SKU <> 302000  
  
GROUP BY    Department  
  
HAVING      COUNT(SKU) > 1  
  
ORDER BY    Dept_SKU_Count;
```

You need to modify this for the CATALOG_SKU that has data in it !!!!

```
SELECT Department, COUNT(SKU) AS Dept_SKU_Count FROM SKU_DATA  
WHERE SKU <> 302000 GROUP BY Department HAVING COUNT(SKU) > 1  
ORDER BY Dept_SKU_Count;
```

```
+-----+-----+  
| Department | Dept_SKU_Count |  
+-----+-----+  
| Camping | 2 |  
| Water Sports | 4 |
```

```
+-----+-----+  
2 rows in set (0.00 sec)
```