

Dashboard ► My courses ► Spring 2018 ► CS 364 (201730439) ► 9 April - 15 April ►
SQL Lab 1 Part 2

Started on	Thursday, 12 April 2018, 11:20 AM
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State	Finished
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Completed on	Thursday, 12 April 2018, 5:30 PM
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Time taken	6 hours 10 mins
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Grade	Not yet graded
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Question 1

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-13 *** */  
  
SELECT      *  
  
FROM        ORDER_ITEM  
  
ORDER BY    OrderNumber;
```

Original:

```
SELECT * FROM ORDER_ITEM ORDER BY OrderNumber;
```

```
+-----+-----+-----+-----+-----+  
| OrderNumber | SKU | Quantity | Price | ExtendedPrice |  
+-----+-----+-----+-----+-----+  
| 1000 | 201000 | 1 | 300.00 | 300.00 |  
| 1000 | 202000 | 1 | 130.00 | 130.00 |  
| 2000 | 101100 | 4 | 50.00 | 200.00 |  
| 2000 | 101200 | 2 | 50.00 | 100.00 |  
| 3000 | 100200 | 1 | 300.00 | 300.00 |  
| 3000 | 101100 | 2 | 50.00 | 100.00 |  
| 3000 | 101200 | 1 | 50.00 | 50.00 |  
+-----+-----+-----+-----+-----+
```

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

Modified:

```
SELECT * FROM ORDER_ITEM ORDER BY Quantity;
```

```
+-----+-----+-----+-----+-----+  
| OrderNumber | SKU | Quantity | Price | ExtendedPrice |  
+-----+-----+-----+-----+-----+  
| 3000 | 100200 | 1 | 300.00 | 300.00 |  
| 3000 | 101200 | 1 | 50.00 | 50.00 |  
| 1000 | 201000 | 1 | 300.00 | 300.00 |  
| 1000 | 202000 | 1 | 130.00 | 130.00 |  
| 3000 | 101100 | 2 | 50.00 | 100.00 |  
| 2000 | 101200 | 2 | 50.00 | 100.00 |  
| 2000 | 101100 | 4 | 50.00 | 200.00 |  
+-----+-----+-----+-----+-----+
```

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

Question 2

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-16 *** */
```

```
SELECT      *
```

```
FROM        ORDER_ITEM
```

```
ORDER BY    Price DESC, OrderNumber ASC;
```

Original:

```
SELECT * FROM ORDER_ITEM ORDER BY Price DESC, OrderNumber ASC;
```

```
+-----+-----+-----+-----+-----+
| OrderNumber | SKU | Quantity | Price | ExtendedPrice |
+-----+-----+-----+-----+-----+
| 1000 | 201000 | 1 | 300.00 | 300.00 |
| 3000 | 100200 | 1 | 300.00 | 300.00 |
| 1000 | 202000 | 1 | 130.00 | 130.00 |
| 2000 | 101100 | 4 | 50.00 | 200.00 |
| 2000 | 101200 | 2 | 50.00 | 100.00 |
| 3000 | 101100 | 2 | 50.00 | 100.00 |
| 3000 | 101200 | 1 | 50.00 | 50.00 |
+-----+-----+-----+-----+-----+
```

7 rows in set (0.00 sec)

Modified:

```
SELECT * FROM ORDER_ITEM ORDER BY Quantity ASC, Price DESC;
```

```
+-----+-----+-----+-----+-----+
| OrderNumber | SKU | Quantity | Price | ExtendedPrice |
+-----+-----+-----+-----+-----+
| 3000 | 100200 | 1 | 300.00 | 300.00 |
| 1000 | 201000 | 1 | 300.00 | 300.00 |
| 1000 | 202000 | 1 | 130.00 | 130.00 |
| 3000 | 101200 | 1 | 50.00 | 50.00 |
| 3000 | 101100 | 2 | 50.00 | 100.00 |
| 2000 | 101200 | 2 | 50.00 | 100.00 |
| 2000 | 101100 | 4 | 50.00 | 200.00 |
+-----+-----+-----+-----+-----+
```

7 rows in set (0.00 sec)

Question **3**

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-18 *** */
```

```
SELECT      *
FROM        SKU_DATA
WHERE       Department='Water Sports'
AND         Buyer='Nancy Meyers';
```

Original :

```
SELECT * FROM SKU_DATA WHERE Department='Water Sports' AND
Buyer='Nancy Meyers';
```

```
+-----+-----+-----+-----+
| SKU | SKU_Description | Department | Buyer |
+-----+-----+-----+-----+
| 101100 | Dive Mask, Small Clear | Water Sports | Nancy Meyers |
| 101200 | Dive Mask, Med Clear | Water Sports | Nancy Meyers |
+-----+-----+-----+-----+
```

2 rows in set (0.00 sec)

Modified:

```
SELECT * FROM SKU_DATA WHERE Department='Camping' AND
Buyer='Cindy Lo';
```

```
+-----+-----+-----+-----+
| SKU | SKU_Description | Department | Buyer |
+-----+-----+-----+-----+
| 201000 | Half-dome Tent | Camping | Cindy Lo |
| 202000 | Half-dome Tent Vestibule | Camping | Cindy Lo |
+-----+-----+-----+-----+
```

2 rows in set (0.00 sec)

Question **4**

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-19 *** */  
  
SELECT      *  
  
FROM        SKU_DATA  
  
WHERE       Department='Camping'  
  
           OR      Department='Climbing';
```

Original:

```
SELECT * FROM SKU_DATA WHERE Department='Camping' OR  
Department='Climbing';
```

```
+-----+-----+-----+-----+  
| SKU   | SKU_Description      | Department | Buyer   |  
+-----+-----+-----+-----+  
| 201000 | Half-dome Tent        | Camping    | Cindy Lo |  
| 202000 | Half-dome Tent Vestibule | Camping    | Cindy Lo |  
| 301000 | Light Fly Climbing Harness | Climbing   | Jerry Martin |  
| 302000 | Locking Carabiner, Oval | Climbing   | Jerry Martin |  
+-----+-----+-----+-----+
```

4 rows in set (0.00 sec)

Modified:

```
SELECT * FROM SKU_DATA WHERE Buyer='Cindy Lo' AND  
Department='Camping';
```

```
+-----+-----+-----+-----+  
| SKU   | SKU_Description      | Department | Buyer   |  
+-----+-----+-----+-----+  
| 201000 | Half-dome Tent        | Camping    | Cindy Lo |  
| 202000 | Half-dome Tent Vestibule | Camping    | Cindy Lo |  
+-----+-----+-----+-----+
```

2 rows in set (0.00 sec)

Question 5

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-20 *** */
```

```
SELECT      *
FROM        SKU_DATA
WHERE       Department='Water Sports'
AND NOT     Buyer='Nancy Meyers';
```

Original:

```
SELECT * FROM SKU_DATA WHERE Department='Water Sports' AND NOT
Buyer='Nancy Meyers';
```

```
+-----+-----+-----+-----+
| SKU   | SKU_Description      | Department | Buyer   |
+-----+-----+-----+-----+
| 100100 | Std. Scuba Tank, Yellow | Water Sports | Pete Hansen |
| 100200 | Std. Scuba Tank, Magenta | Water Sports | Pete Hansen |
+-----+-----+-----+-----+
```

2 rows in set (0.00 sec)

Modified:

```
SELECT * FROM SKU_DATA WHERE NOT Department='Water Sports' AND
NOT Buyer='Cindy Lo';
```

```
+-----+-----+-----+-----+
| SKU   | SKU_Description      | Department | Buyer   |
+-----+-----+-----+-----+
| 301000 | Light Fly Climbing Harness | Climbing   | Jerry Martin |
| 302000 | Locking Carabiner, Oval   | Climbing   | Jerry Martin |
+-----+-----+-----+-----+
```

2 rows in set (0.00 sec)

Question 6

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-21 *** */
```

```
SELECT      *
```

```
FROM        SKU_DATA
```

```
WHERE       Buyer IN ('Nancy Meyers', 'Cindy Lo', 'Jerry Martin');
```

Original:

```
SELECT * FROM SKU_DATA WHERE Buyer IN ('Nancy Meyers', 'Cindy Lo', 'Jerry Martin');
```

```
+-----+-----+-----+-----+
| SKU   | SKU_Description      | Department | Buyer   |
+-----+-----+-----+-----+
| 101100 | Dive Mask, Small Clear | Water Sports | Nancy Meyers |
| 101200 | Dive Mask, Med Clear   | Water Sports | Nancy Meyers |
| 201000 | Half-dome Tent         | Camping     | Cindy Lo    |
| 202000 | Half-dome Tent Vestibule | Camping     | Cindy Lo    |
| 301000 | Light Fly Climbing Harness | Climbing    | Jerry Martin |
| 302000 | Locking Carabiner, Oval | Climbing    | Jerry Martin |
+-----+-----+-----+-----+
```

6 rows in set (0.00 sec)

Modified:

```
SELECT * FROM SKU_DATA WHERE Buyer NOT IN ('Nancy Meyers', 'Pete Hansen');
```

```
+-----+-----+-----+-----+
| SKU   | SKU_Description      | Department | Buyer   |
+-----+-----+-----+-----+
| 201000 | Half-dome Tent         | Camping     | Cindy Lo    |
| 202000 | Half-dome Tent Vestibule | Camping     | Cindy Lo    |
| 301000 | Light Fly Climbing Harness | Climbing    | Jerry Martin |
| 302000 | Locking Carabiner, Oval | Climbing    | Jerry Martin |
+-----+-----+-----+-----+
```

4 rows in set (0.00 sec)

Question **7**

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-23 *** */
SELECT      *
FROM        ORDER_ITEM
WHERE       ExtendedPrice >= 100
           AND ExtendedPrice <= 200
ORDER BY    ExtendedPrice;
```

Original:

```
SELECT * FROM ORDER_ITEM WHERE ExtendedPrice >= 100 AND
ExtendedPrice <=200 ORDER BY ExtendedPrice;
```

```
+-----+-----+-----+-----+-----+
| OrderNumber | SKU   | Quantity | Price | ExtendedPrice |
+-----+-----+-----+-----+-----+
|    3000 | 101100 |    2 | 50.00 |    100.00 |
|    2000 | 101200 |    2 | 50.00 |    100.00 |
|    1000 | 202000 |    1 | 130.00 |    130.00 |
|    2000 | 101100 |    4 | 50.00 |    200.00 |
+-----+-----+-----+-----+-----+
```

4 rows in set (0.00 sec)

Modified:

```
SELECT * FROM ORDER_ITEM WHERE Quantity >= 2 AND ExtendedPrice
<=100 ORDER BY SKU;
```

```
+-----+-----+-----+-----+-----+
| OrderNumber | SKU   | Quantity | Price | ExtendedPrice |
+-----+-----+-----+-----+-----+
|    3000 | 101100 |    2 | 50.00 |    100.00 |
|    2000 | 101200 |    2 | 50.00 |    100.00 |
+-----+-----+-----+-----+-----+
```

2 rows in set (0.00 sec)

Question 8

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-24 *** */
```

```
SELECT      *
FROM        ORDER_ITEM
WHERE       ExtendedPrice BETWEEN 100 AND 200
ORDER BY    ExtendedPrice;
```

Original:

```
SELECT * FROM ORDER_ITEM WHERE ExtendedPrice BETWEEN 100 AND
200 ORDER BY ExtendedPrice;
```

```
+-----+-----+-----+-----+-----+
| OrderNumber | SKU   | Quantity | Price | ExtendedPrice |
+-----+-----+-----+-----+-----+
|      3000 | 101100 |      2 | 50.00 |      100.00 |
|      2000 | 101200 |      2 | 50.00 |      100.00 |
|      1000 | 202000 |      1 | 130.00 |      130.00 |
|      2000 | 101100 |      4 | 50.00 |      200.00 |
+-----+-----+-----+-----+-----+
```

4 rows in set (0.00 sec)

Modified:

```
SELECT * FROM ORDER_ITEM WHERE Price BETWEEN 50 AND 150 AND
NOT OrderNumber='1000' ORDER BY SKU;
```

```
+-----+-----+-----+-----+-----+
| OrderNumber | SKU   | Quantity | Price | ExtendedPrice |
+-----+-----+-----+-----+-----+
|      2000 | 101100 |      4 | 50.00 |      200.00 |
|      3000 | 101100 |      2 | 50.00 |      100.00 |
|      2000 | 101200 |      2 | 50.00 |      100.00 |
|      3000 | 101200 |      1 | 50.00 |      50.00 |
+-----+-----+-----+-----+-----+
```

4 rows in set (0.00 sec)

Question 9

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-27 *** */
```

```
SELECT      *
```

```
FROM        SKU_DATA
```

```
WHERE       SKU_Description LIKE '%Tent%';
```

Original:

```
SELECT * FROM SKU_DATA WHERE SKU_Description LIKE '%Tent%';
```

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

```
| SKU   | SKU_Description      | Department | Buyer   |
```

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

```
| 201000 | Half-dome Tent       | Camping   | Cindy Lo |
```

```
| 202000 | Half-dome Tent Vestibule | Camping   | Cindy Lo |
```

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

2 rows in set (0.00 sec)

Modified:

```
SELECT * FROM SKU_DATA WHERE Buyer LIKE '__r%';
```

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

```
| SKU   | SKU_Description      | Department | Buyer   |
```

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

```
| 301000 | Light Fly Climbing Harness | Climbing   | Jerry Martin |
```

```
| 302000 | Locking Carabiner, Oval   | Climbing   | Jerry Martin |
```

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

2 rows in set (0.00 sec)

Question 10

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-29 *** */  
  
SELECT      *  
  
FROM        SKU_DATA  
  
WHERE       SKU LIKE '%2__';
```

Original:

```
SELECT * FROM SKU_DATA WHERE SKU LIKE '%2__';
```

```
+-----+-----+-----+-----+  
| SKU   | SKU_Description   | Department | Buyer   |  
+-----+-----+-----+-----+  
| 100200 | Std. Scuba Tank, Magenta | Water Sports | Pete Hansen |  
| 101200 | Dive Mask, Med Clear   | Water Sports | Nancy Meyers |  
+-----+-----+-----+-----+
```

2 rows in set (0.00 sec)

Modified:

```
SELECT * FROM SKU_DATA WHERE Department LIKE 'C_%_%';
```

```
+-----+-----+-----+-----+  
| SKU   | SKU_Description   | Department | Buyer   |  
+-----+-----+-----+-----+  
| 201000 | Half-dome Tent       | Camping    | Cindy Lo   |  
| 202000 | Half-dome Tent Vestibule | Camping    | Cindy Lo   |  
| 301000 | Light Fly Climbing Harness | Climbing   | Jerry Martin |  
| 302000 | Locking Carabiner, Oval | Climbing   | Jerry Martin |  
+-----+-----+-----+-----+
```

4 rows in set (0.00 sec)

Question 11

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-30 *** */
```

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

Original:

```
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)
```

Modified:

```
SELECT * FROM CATALOG_SKU_2015 Where CatalogPage IS NOT NULL;
```

```
+-----+-----+-----+-----+-----+-----+  
| CatalogID | SKU   | SKU_Description           | Department | CatalogPage |  
| DateOnWebSite |  
+-----+-----+-----+-----+-----+-----+  
| 20150001 | 100100 | Std. Scuba Tank, Yellow   | Water Sports | 23  
| 2015-01-01 |  
| 20150002 | 100200 | Std. Scuba Tank, Magenta  | Water Sports |  
23 | 2015-01-01 |  
| 20150003 | 101100 | Dive Mask, Small Clear    | Water Sports | 27  
| 2015-08-01 |  
| 20150004 | 101200 | Dive Mask, Med Clear      | Water Sports | 27  
| 2015-01-01 |  
| 20150005 | 201000 | Half-dome Tent            | Camping     | 45 |  
2015-01-01 |  
| 20150006 | 202000 | Half-dome Tent Vestibule  | Camping     | 45  
| 2015-01-01 |
```

	20150008		301000		Light Fly Climbing Harness		Climbing		76
	2015-01-01								

	20150009		302000		Locking Carabiner, Oval		Climbing		78
	2015-01-01								

+-----+-----+-----+-----+-----+-----+

8 rows in set (0.00 sec)