Started on	Monday, 9 April 2018, 3:30 PM
State	Finished
Completed on	Tuesday, 10 April 2018, 10:29 AM
Time taken	18 hours 58 mins
Grade	Not yet graded

Question 1

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-01 *** */

SELECT     SKU, SKU_Description, Department, Buyer

FROM       SKU_DATA;
```

SELECT * FROM SKU_DATA;

 Shows the same information as above query. Displays SKU, SKU_Description, Department, and Buyer.

mysql> SELECT * FROM SKU_DATA;

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

8 rows in set (0.00 sec)

```
/* *** SQL-Query-CH02-02 *** */

SELECT        *

FROM          SKU_DATA;
```

SELECT SKU, SKU_Description, Department, Buyer FROM SKU_DATA;

This displays all items such as SKU, SKU_Description, Department, and Buyer from SKU_DATA.

mysql> SELECT SKU, SKU_Description, Department, Buyer FROM SKU_DATA;

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

8 rows in set (0.00 sec)

Question 3
Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-03 *** */

SELECT      Department, Buyer

FROM        SKU_DATA;
```

Select Buyer, Department From SKU_DATA;

This will also display Buyer and Department. Order is based on SELECT phrases.

mysql> Select Buyer, Department From SKU_DATA;

```
+--------------+--------------+
| Buyer        | Department   |
+--------------+--------------+
| Pete Hansen  | Water Sports |
| Pete Hansen  | Water Sports |
| Nancy Meyers | Water Sports |
| Nancy Meyers | Water Sports |
| Cindy Lo     | Camping      |
| Cindy Lo     | Camping      |
| Jerry Martin | Climbing     |
| Jerry Martin | Climbing     |
+--------------+--------------+
8 rows in set (0.00 sec)
```

Question 4

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-04 *** */

SELECT      Buyer, Department

FROM        SKU_DATA;
```

Select Department, Buyer From SKU_DATA;

This will also display Department and Buyer. Order is based on SELECT phrases.

mysql> Select Department, Buyer From SKU_DATA;

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

8 rows in set (0.00 sec)

Question 5

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-05 *** */

SELECT      DISTINCT Buyer, Department

FROM        SKU_DATA;
```

 Select DISTINCT Department, FROM SKU_DATA;

This remove any duplicates of a department.

mysql> Select DISTINCT Department, Buyer FROM SKU_DATA;

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

4 rows in set (0.00 sec)

```
/* *** SQL-Query-CH02-06 *** */

SELECT      TOP 5 Buyer, Department

FROM        SKU_DATA;
```

SELECT Buyer, Department FROM SKU_DATA LIMIT 5;

This will also give you the top 5 buyers and departments. It is written for mysql the above code is for SQL Server.

mysql> SELECT Buyer, Department FROM SKU_DATA LIMIT 5;

```
+--------------+--------------+
| Buyer        | Department   |
+--------------+--------------+
| Pete Hansen  | Water Sports |
| Pete Hansen  | Water Sports |
| Nancy Meyers | Water Sports |
| Nancy Meyers | Water Sports |
| Cindy Lo     | Camping      |
+--------------+--------------+
```

5 rows in set (0.00 sec)

Question 7
Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-08 *** */

SELECT      *

FROM        SKU_DATA

WHERE       Department = 'Water Sports';
```

SELECT SKU, SKU_Description, Department, Buyer FROM SKU_DATA WHERE Department = 'Water Sports';

This command will also display SKU, SKU_Description, Department, and Buyer only from the Water Sports department.

mysql> SELECT SKU, SKU_Description, Department, Buyer FROM SKU_DATA

   -> WHERE Department = 'Water Sports';

```
+--------+------------------------+-------------+-------------+
| SKU    | SKU_Description         | Department   | Buyer        |
+--------+------------------------+-------------+-------------+
| 100100 | Std. Scuba Tank, Yellow  | Water Sports | Pete Hansen  |
| 100200 | Std. Scuba Tank, Magenta | Water Sports | Pete Hansen  |
| 101100 | Dive Mask, Small Clear   | Water Sports | Nancy Meyers |
| 101200 | Dive Mask, Med Clear     | Water Sports | Nancy Meyers |
+--------+------------------------+-------------+-------------+
```

4 rows in set (0.00 sec)

Question 8
Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-09 *** */

SELECT      *

FROM        CATALOG_SKU_2014

WHERE       DateOnWebSite = '01-JAN-2014';
```

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

SELECT * FROM CATALOG_SKU_2015 WHERE DateOnWebSite = '2015-01-01';

This command was adjusted for a non empty set. Displayed items from January 1st 2015.

```
mysql> SELECT * FROM CATALOG_SKU_2015
    -> WHERE DateOnWebSite = '2015-01-01';
+-----------+--------+--------------------------+-------------+------------+--------------+
| 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    |
|  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    |
+-----------+--------+--------------------------+-------------+------------+--------------+
7 rows in set (0.00 sec)
```

```
/* *** SQL-Query-CH02-10 *** */

SELECT      *

FROM        SKU_DATA

WHERE       SKU > 200000;
```

SELECT SKU, SKU_Description, Department, Buyer FROM SKU_DATA WHERE SKU > 200000;

This command will also display SKU, SKU_Description, Department, and Buyer where it only displays items with an SKU's greater than 200000.

mysql> SELECT SKU, SKU_Description, Department, Buyer FROM SKU_DATA

   -> WHERE SKU > 200000;

```
+--------+-------------------------+------------+-------------+
| 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 10

Complete

Marked out of 1.00

```
/* *** SQL-Query-CH02-11 *** */

SELECT      SKU_Description, Department

FROM        SKU_DATA

WHERE       Department = 'Climbing';
```

SELECT Buyer, SKU_Description, Department FROM SKU_DATA WHERE Department = 'Climbing';

Command displays items from first query with the addition of the buyer.

mysql> SELECT Buyer, SKU_Description, Department FROM SKU_DATA WHERE Department = 'Climbing';

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

2 rows in set (0.00 sec)