Module 2 Practice Quiz

TOTAL POINTS 11

1.Question
For all the questions in this practice set, you will be using the *Salary by Job Range Table*. This is a single table titled: salary_range_by_job_classification. This table contains the following columns:

- SetID
- Job_Code
- Eff_Date
- Sal_End_Date
- Salary_setID
- Sal_Plan
- Grade
- Step
- Biweekly_High_Rate
- Biweekly_Low_Rate
- Union_Code
- Extended_Step
- Pay_Type

Please refer to this information to write queries to answer the questions. **Are you ready to get started?**

1 / 1 point

○

Yes, I am ready to begin.

○

No, I am not ready to begin.

Correct
Great, let's get started!

2.Question
Find the distinct values for the extended step. The code has been started for you, but you will need to program the <u>third line</u> yourself before running the query.

```
                                  ▲
                                  ▼
◄        ►
```

1

2

3

4

SELECT

distinct Extended_step

From salary_range_by_job_classification;

Run   Reset

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

| Extended_Step |

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

| 0             |

| 11            |

| 6             |

| 2             |

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

Which of the following values is not a distinct value?

1 / 1 point

○

6

○

0

○

2

○

11

◉

5

```
1
2
3
SELECT
distinct Extended_step
from salary_range_by_job_classification;
```
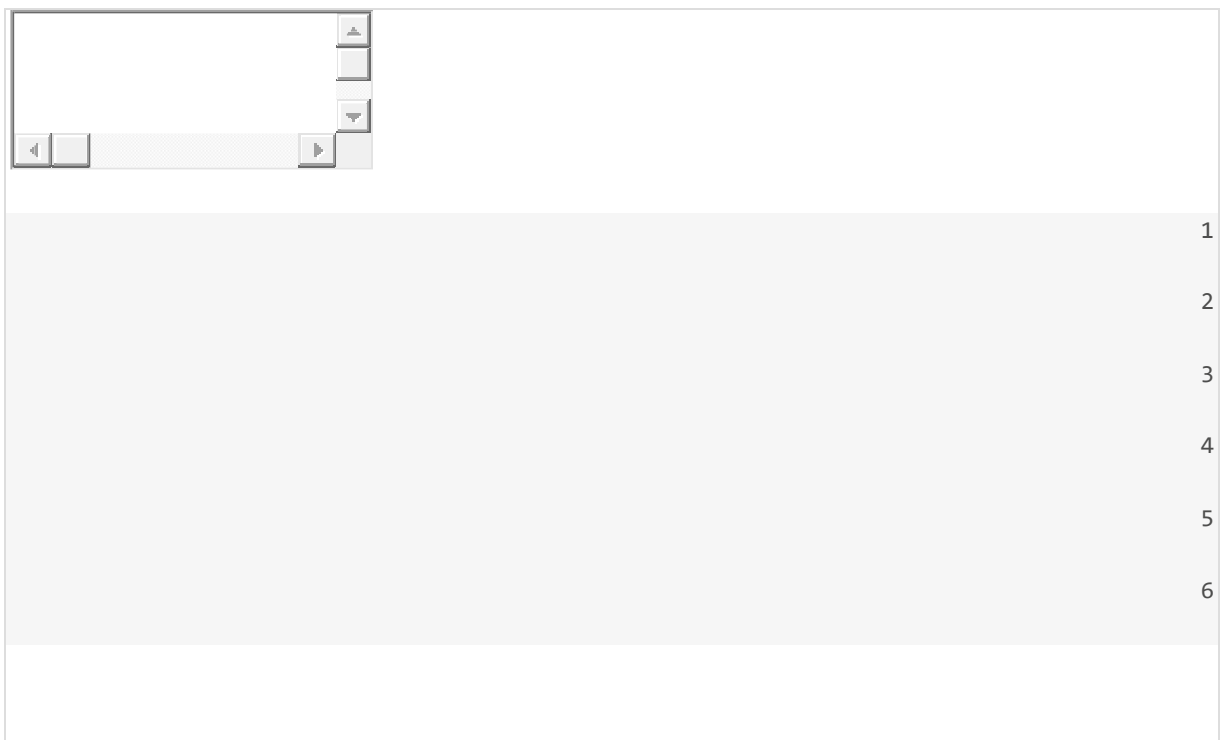
Run Reset

3.Question

Excluding $0.00, what is the minimum bi-weekly high rate of pay *(please include the dollar sign and decimal point in your answer)*? The code has been started for you, but you will need to add onto the last line of code to get the correct answer.

```
1

2

3

4

5

6
```

```
Select

min(Biweekly_high_Rate)

From salary_range_by_job_classification

where Biweekly_high_Rate !='$0.00'
```

Run Reset

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

| min(Biweekly_high_Rate) |

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

| $100.00                |

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

1 / 1 point
$100.00
Correct

Great job! You knew how to complete the query to find the answer!

4.Question

What is the maximum biweekly high rate of pay (*please include the dollar sign and decimal point in your answer*)? The code has been started for you, but you will need to add onto the last line of code to get the correct answer.

1

2

3

4

5

6

7

```
SELECT

Max (Biweekly_high_Rate)

FROM salary_range_by_job_classification
```

Run Reset

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

| Max (Biweekly_high_Rate) |

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

| $9726.38                |

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

1 / 1 point

$9726.38

Correct

Great job! You knew how to complete the query to find the answer!

5.Question

What is the pay type for all the job codes that start with '03'? The code has been started for you, but you will need to program the fourth and fifth lines yourself before running the query.

1

2

3

4

5

```
Select

job_code,

pay_type

From salary_range_by_job_classification
```

```
where job_code like '03%'
```

Run Reset

```
+----------+----------+
| Job_Code | Pay_Type |
+----------+----------+
| 0380     | B        |
| 0381     | B        |
| 0382     | B        |
| 0390     | B        |
| 0395     | B        |
| 0380     | B        |
| 0381     | B        |
| 0382     | B        |
+----------+----------+
```

1 / 1 point

B

Correct

Great job! You knew how to complete the query to find the answer!

6.Question

Run a query to find the Effective Date (eff_date) or Salary End Date (sal_end_date) for grade Q90H0? The code has been started for you, but you will need to program the third through the sixth lines yourself before running the query.

1

2

3

```
Select

grade,

eff_date,

sal_end_date

From salary_range_by_job_classification

where grade = 'Q90H0'
```

Run Reset

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

| Grade | Eff_Date             | Sal_End_Date         |

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

| Q90H0 | 12/26/2009 12:00:00 AM | 06/30/2010 12:00:00 AM |

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

What is the **Effective Date** (eff_date) for grade Q90H0? *(include date and time)*

1 / 1 point
12/26/2009 12:00:00 AM
Correct

Great job! You knew how to complete the query to find the answer!

7.Question

Sort the Biweekly low rate in ascending order. There is no starter code, as you need to write and run the query on your own. *Hint: there are 4 lines to run this query.*

1

```
Select

biweekly_low_rate

From salary_range_by_job_classification

order by biweekly_low_rate asc
```

Run Reset

```
+------------------+
| Biweekly_Low_Rate |
+------------------+
| $0.00            |
| $0.00            |
| $0.00            |
| $0.00            |
| $100.00          |
| $100.00          |
| $10059.00        |
| $10376.00        |
| $1052.00         |
| $10630.00        |
| $10843.00        |
| $1088.00         |
| $1112.00         |
| $11255.00        |
| $11405.00        |
```

```
| $1162.00           |

| $12120.77          |

| $1280.00           |

| $1284.00           |

| $1298.00           |

| $1299.00           |

| $1381.00           |

| $1384.00           |

| $1405.00           |

| $1464.00           |

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

(Output limit exceeded, 25 of 1356 total rows shown)
```

Are these values properly sorted? - No

○

No

○

Yes

Correct

Because this is a varchar field. Here is what your query should have looked like:

1

2

3

4

```
Select

biweekly_low_rate

From salary_range_by_job_classification

order by biweekly_low_rate asc
```

Run Reset

8.Question

Write and run a query, with no starter code to answer this question: **What Step are Job Codes 0110-0400?** *Hint: there are 6 lines to run this query.*

```
SELECT

Job_Code,

Salary_setID,

Step

FROM salary_range_by_job_classification

where Job_Code between "0110" and "0400"
```

Run Reset

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

Job_Code	Salary_SetID	Step
0110	COMMN	1
0111	COMMN	1
0112	COMMN	1
0114	COMMN	1
0115	COMMN	1
0116	COMMN	1
0118	COMMN	1
0119	COMMN	1
0140	COMMN	1
0150	COMMN	1
0170	COMMN	1
0180	COMMN	1
0190	COMMN	1
0380	COMMN	1
0381	COMMN	1
0382	COMMN	1
0390	COMMN	1
0395	COMMN	1
0400	COMMN	1
0140	COMMN	1
0150	COMMN	1
0380	COMMN	1
0381	COMMN	1
0382	COMMN	1

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

Correct

Great job! You knew how to complete the query to find the answer!

9.Question
Write and run a query, with no starter code or hints to answer this question: **What is the Biweekly High Rate minus the Biweekly Low Rate for job Code 0170?**

```
                                              1

                                              2

                                              3

                                              4

                                              5

                                              6

                                              7
```
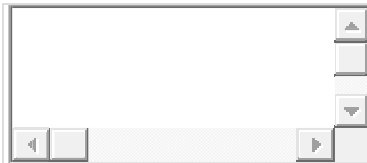
```sql
Select

Job_code,

Biweekly_high_rate,

Biweekly_low_rate,

(biweekly_high_rate - Biweekly_low_rate) as calc

From salary_range_by_job_classification

Where Job_code = '0170'
```

Run Reset

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

| Job_Code | Biweekly_High_Rate | Biweekly_Low_Rate | calc |
```

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

| 0170     | $4142.00          | $4142.00          |   0  |

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

10.Question

Write and run a query, with no starter code or hints to answer this question: **What is the Extended Step for Pay Types M, H, and D?**

	1
	2
	3
	4
	5
	6

Select

Extended_step,

Pay_Type

From salary_range_by_job_classification

Where Pay_Type in ('M', 'H', 'D');

Run Reset

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

| Extended_Step | Pay_Type |

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

```
| 0               | D         |

| 0               | D         |

| 0               | D         |

| 0               | M         |

| 0               | D         |

| 0               | D         |

| 0               | M         |

| 0               | H         |

| 0               | H         |

| 0               | H         |

| 0               | H         |

| 0               | H         |

| 0               | H         |

| 0               | H         |

| 0               | H         |
+---------------+----------+
```

1 / 1 point

0

Correct

Great Job! You knew how to complete the query to find the answer.

11.Question

Write and run a query, with no starter code or hints to answer this question: **What is the step for Union Code 990 and a Set ID of SFMTA or COMMN?**

1

2

```sql
SELECT

Union_code,

SetID,

Step

from salary_range_by_job_classification

where Union_code = 990 and (SetID = 'SFMTA' or SetID = 'COMMN')
```

Run Reset

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

| Union_Code | SetID | Step |

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

| 990        | COMMN | 1    |

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

1 / 1 point

1

Correct

Great job! You were able to complete the query to find the answer.