Module 2 Practice Quiz

TOTAL POINTS 11

1. 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: 1 point

   - 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?**

   - (●) Yes, I am ready to begin.
   - ( ) No, I am not ready to begin.

2. Find the distinct values for the extended step. The code has been started for you, but you will need to program the third line yourself before running the query. 1 point

```
1  SELECT
2  distinct Extended_step
3  from salary_range_by_job_classification
4
```

Run

Reset

```
+---------------+
| Extended_Step |
+---------------+
| 0             |
| 11            |
| 6             |
| 2             |
+---------------+
```

Which of the following values is not a distinct value?

- 0
- 6
- 11
- 5
- 2

3. 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 point

```
1  Select
2  min(Biweekly_high_Rate)
3  From salary_range_by_job_classification
4  where Biweekly_high_Rate > "$0.00"
```

Run

Reset

```
+------------------------+
| min(Biweekly_high_Rate) |
+------------------------+
| $100.00                |
+------------------------+
```

$100.00

4. 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 point

```
1  SELECT Max(Biweekly_high_Rate) from salary_range_by_job_classification
2
3
```

Run

Reset

```
+-------------------------+
| Max(Biweekly_high_Rate) |
+-------------------------+
| $9726.38                |
+-------------------------+
```

$9726.38

5. 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 point

```
1  Select
2  job_code,
3  pay_type
4  from salary_range_by_job_classification
5  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        |
+----------+----------+
```

B

6. 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 point

```
1  Select
2  grade,eff_date,sal_end_date
3  from salary_range_by_job_classification
4  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 ***Salary End Date*** (sal_end_date) for grade Q90H0? *(Enter date format as follows: 01/01/2000)*

06/30/2010

7. 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 point

```
1  select
2  Biweekly_Low_Rate
3  from salary_range_by_job_classification
4  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
- ( ) Yes

8. 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.* 1 point

```
1  select Step
2  , Job_Code
3  from salary_range_by_job_classification
4  where Job_Code between '0110' and '0400'
5  order by Job_Code
```

Run

Reset

```
+------+----------+
| Step | Job_Code |
+------+----------+
| 1    | 0110     |
| 1    | 0111     |
| 1    | 0112     |
| 1    | 0114     |
| 1    | 0115     |
| 1    | 0116     |
| 1    | 0118     |
| 1    | 0119     |
| 1    | 0140     |
| 1    | 0140     |
| 1    | 0150     |
| 1    | 0150     |
| 1    | 0170     |
| 1    | 0180     |
| 1    | 0190     |
```

```
| 1    | 0380     |
| 1    | 0380     |
| 1    | 0381     |
| 1    | 0381     |
| 1    | 0382     |
| 1    | 0382     |
| 1    | 0390     |
| 1    | 0395     |
| 1    | 0400     |
+------+----------+
```

1

9. 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 point

```
1  select Job_Code, Biweekly_Low_Rate, Biweekly_High_Rate, Biweekly_High_Rate
     -Biweekly_Low_Rate as diff
2  from salary_range_by_job_classification
3  where Job_Code = '0170'
```

Run

Reset

```
+----------+------------------+-------------------+------+
| Job_Code | Biweekly_Low_Rate | Biweekly_High_Rate | diff |
+----------+------------------+-------------------+------+
| 0170     | $4142.00          | $4142.00          |    0 |
+----------+------------------+-------------------+------+
```

0

10. 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 point

```
1  select Extended_Step, Pay_Type
2  from salary_range_by_job_classification
3  where Pay_Type in ('M','H', 'D')
4
```

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

0

11. 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 point

```
1  select Step, Union_Code,Salary_SetID from salary_range_by_job_classification
2  where (Union_Code = '990') and (Salary_SetID = 'SFMTA' or Salary_SetID = 'COMMN')
```

Run

Reset

```
+------+------------+--------------+
| Step | Union_Code | Salary_SetID |
+------+------------+--------------+
| 1    | 990        | COMMN        |
+------+------------+--------------+
```

1