

MySQL Exercise 4: Answer Key

Question 1:

```
%%sql
SELECT COUNT(DISTINCT Dog_Guid)
FROM complete_tests
WHERE created_at>'2014_03_01';
```

Question 2:

```
%%sql
SELECT COUNT(*)
FROM dogs;
```

Question 3:

```
%%sql
SELECT COUNT(exclude)
FROM dogs;
```

Question 4:

```
%%sql
SELECT COUNT(DISTINCT dog_guid)
FROM dogs
WHERE exclude=1;
```

Question 5:

```
%%sql
SELECT test_name, AVG(rating) AS AVG_Rating, MIN(rating) AS MIN_Rating,
       MAX(rating) AS MAX_Rating
FROM reviews
WHERE test_name="Memory versus Pointing";
```

Question 6:

```
%%sql
SELECT TIMESTAMPDIFF(minute,start_time,end_time) AS Duration
FROM exam_answers
LIMIT 200;
```

Question 7:

```
%%sql
SELECT dog_guid, start_time, end_time, TIMESTAMPDIFF(minute,start_time,end_time)
       AS Duration
FROM exam_answers
LIMIT 2000;
```

Question 8:

```
%%sql
SELECT AVG(TIMESTAMPDIFF(minute,start_time,end_time)) AS AvgDuration
FROM exam_answers;
```

Question 9:

%%sql

```
SELECT AVG(TIMESTAMPDIFF(minute,start_time,end_time)) AS AvgDuration
FROM exam_answers
WHERE test_name="Treat Warm-Up";
```

Question 10:

%%sql

```
SELECT COUNT(DISTINCT test_name)
FROM exam_answers;
```

Question 11:

%%sql

```
SELECT MIN(TIMESTAMPDIFF(minute,start_time,end_time)) AS MinDuration,
       MAX(TIMESTAMPDIFF(minute,start_time,end_time)) AS MaxDuration
FROM exam_answers;
```

Question 12:

%%sql

```
SELECT COUNT(TIMESTAMPDIFF(minute,start_time,end_time)) AS Duration
FROM exam_answers
WHERE TIMESTAMPDIFF(minute,start_time,end_time)<0;
```

Question 13:

%%sql

```
SELECT *
FROM exam_answers
WHERE TIMESTAMPDIFF(minute,start_time,end_time)<0;
```

Question 14:

%%sql

```
SELECT AVG(TIMESTAMPDIFF(minute,start_time,end_time)) AS AvgDuration
FROM exam_answers
WHERE TIMESTAMPDIFF(minute,start_time,end_time)>0;
```