

Relational Databases with MySQL Week 8 Coding Assignment

Points possible: 70

Category	Criteria	% of Grade
Functionality	Does the code work?	25
Organization	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear.	25
Creativity	Student solved the problems presented in the assignment using creativity and out of the box thinking.	25
Completeness	All requirements of the assignment are complete.	25

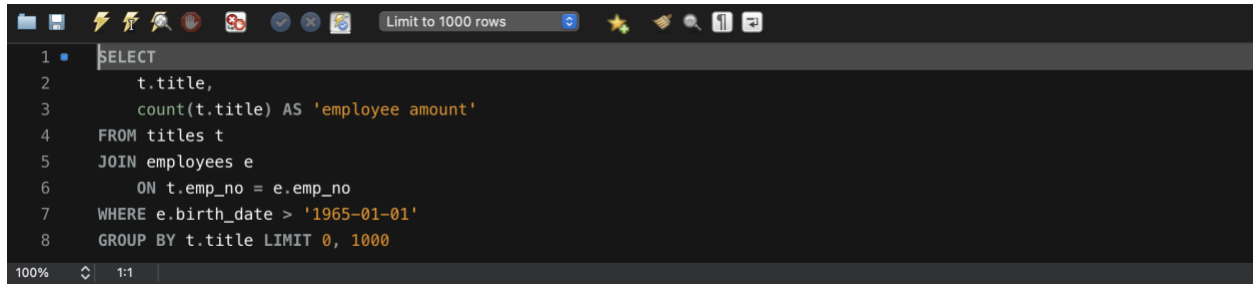
Instructions: Using a text editor of your choice, write the queries that accomplishes the objectives listed below. Take screenshots of the queries and results and paste them in this document where instructed below. Create a new repository on GitHub for this week's assignments and push this document to the repository. Additionally, push an .sql file with all your queries to the same repository. Add the URL for this week's repository to this document where instructed and submit this document to your instructor when complete.

Coding Steps:

Write queries to address the following business needs.

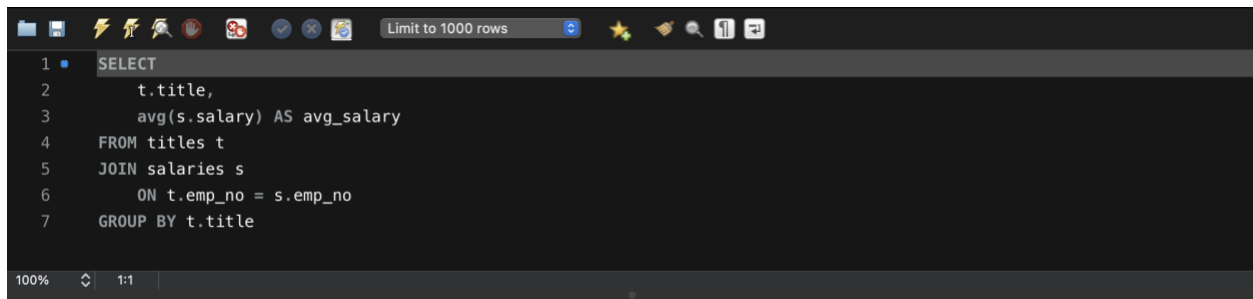
1. I want to know how many employees with each title were born after 1965-01-01.
2. I want to know the average salary per title.
3. How much money was spent on salary for the marketing department between the years 1990 and 1992?

Screenshots of Queries:



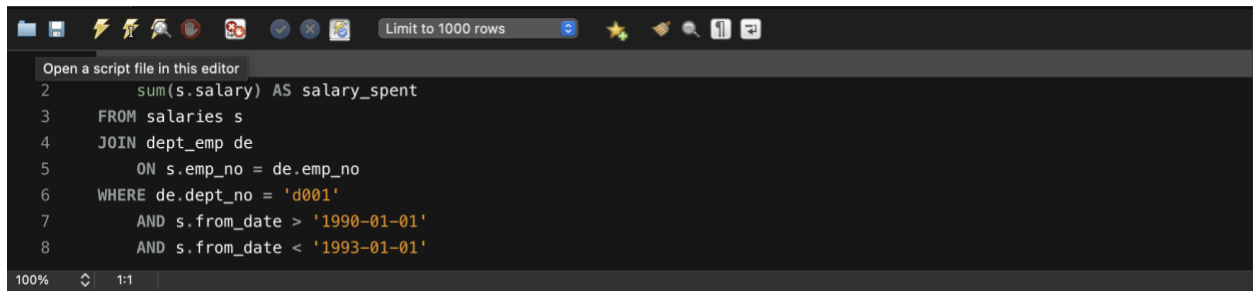
```
1 SELECT
2     t.title,
3     count(t.title) AS 'employee amount'
4 FROM titles t
5 JOIN employees e
6     ON t.emp_no = e.emp_no
7 WHERE e.birth_date > '1965-01-01'
8 GROUP BY t.title LIMIT 0, 1000
```

100% 1:1



```
1 SELECT
2     t.title,
3     avg(s.salary) AS avg_salary
4 FROM titles t
5 JOIN salaries s
6     ON t.emp_no = s.emp_no
7 GROUP BY t.title
```

100% 1:1



```
1 Open a script file in this editor
2     sum(s.salary) AS salary_spent
3 FROM salaries s
4 JOIN dept_emp de
5     ON s.emp_no = de.emp_no
6 WHERE de.dept_no = 'd001'
7     AND s.from_date > '1990-01-01'
8     AND s.from_date < '1993-01-01'
```

100% 1:1

Screenshots of Query Results (only include the last 20 rows):

Action Output					
		Time	Action	Response	Duration / Fetch Time
✖	1	12:53:07	SELECT	Error Code: 1064. You have an error in your SQL synt...	0.0031 sec
✖	2	12:53:19	SELECT t.title, count(t.title) AS 'employee amount' FROM titles t JOIN empl...	Error Code: 1140. In aggregated query without GROU...	0.015 sec
✖	3	12:53:30	SELECT t.title, count(t.title) AS 'employee amount' FROM titles t JOIN empl...	Error Code: 1054. Unknown column 'e.emp_noo' in '...	0.00090 sec
✔	4	12:53:34	SELECT t.title, count(t.title) AS 'employee amount' FROM titles t JOIN empl...	6 row(s) returned	0.486 sec / 0.00004...
✖	5	12:53:58	SELECT	Error Code: 1064. You have an error in your SQL synt...	0.012 sec
✔	6	12:54:09	SELECT t.title, avg(s.salary) AS avg_salaryy FROM titles t JOIN salaries s O...	7 row(s) returned	4.155 sec / 0.000037...
✔	7	12:54:21	SELECT t.title, avg(s.salary) AS avg_salary FROM titles t JOIN salaries s O...	7 row(s) returned	5.986 sec / 0.000014...
✖	8	12:54:42	SELECT	Error Code: 1064. You have an error in your SQL synt...	0.00029 sec
✖	9	12:54:53	SELECT sum(s.salary) AS salary_spent LIMIT 0, 1000	Error Code: 1109. Unknown table 's' in field list	0.00090 sec
✔	10	12:54:57	SELECT sum(s.salary) AS salary_spent FROM salaries s JOIN dept_emp de O...	1 row(s) returned	0.431 sec / 0.000013...

URL to GitHub Repository: