Relational Databases with MySQL Week 2 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, with your Java project code, to the 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:

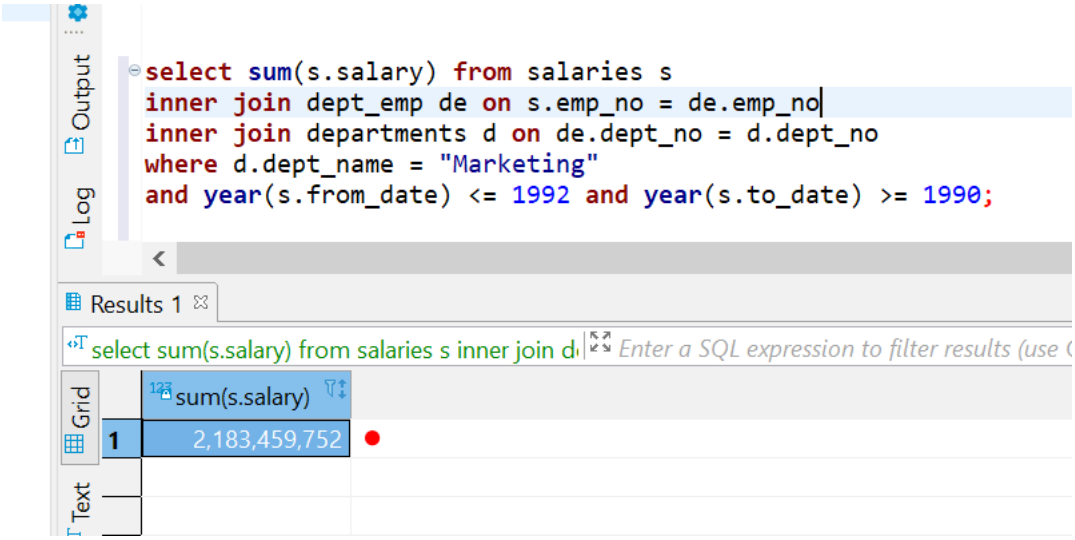
1. **I want to know how many employees with each title were born after 1965-01-01.**

```
mysql> SELECT count(e.emp_no) AS "Employees per Title born after 1965-01-01",
    -> t.title AS "Titles"
    -> FROM employees e
    -> INNER JOIN titles t on t.emp_no = e.emp_no
    -> WHERE birth_date > '1965-01-01'
    -> GROUP BY t.title;
+----------------------------------------+--------------------+
| Employees per Title born after 1965-01-01 | Titles             |
+----------------------------------------+--------------------+
|                                    612 | Senior Staff       |
|                                    703 | Staff              |
|                                     95 | Technique Leader   |
|                                    589 | Senior Engineer    |
|                                    657 | Engineer           |
|                                     97 | Assistant Engineer |
+----------------------------------------+--------------------+
6 rows in set (0.41 sec)
```

2. I want to know the average salary per title.

```
mysql> SELECT avg(s.salary) AS "Average Salary Per Title",
    -> t.title AS "Titles"
    -> FROM salaries s
    -> INNER JOIN employees e ON e.emp_no = s.emp_no
    -> INNER JOIN titles t ON t.emp_no = s.emp_no
    -> GROUP BY t.title;
+--------------------------+--------------------+
| Average Salary Per Title | Titles             |
+--------------------------+--------------------+
|               60543.2191 | Senior Engineer    |
|               69308.7124 | Staff              |
|               59508.0751 | Engineer           |
|               70470.5013 | Senior Staff       |
|               59304.9863 | Assistant Engineer |
|               59294.3742 | Technique Leader   |
|               66924.2706 | Manager            |
+--------------------------+--------------------+
7 rows in set (10.16 sec)
```

3. How much money was spent on salary for the marketing department between the years 1990 and 1992? (did this one in dbeaver)



URL to GitHub Repository:

https://github.com/wlindstrom55/MYSQL-wk2-coding-assignments