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:

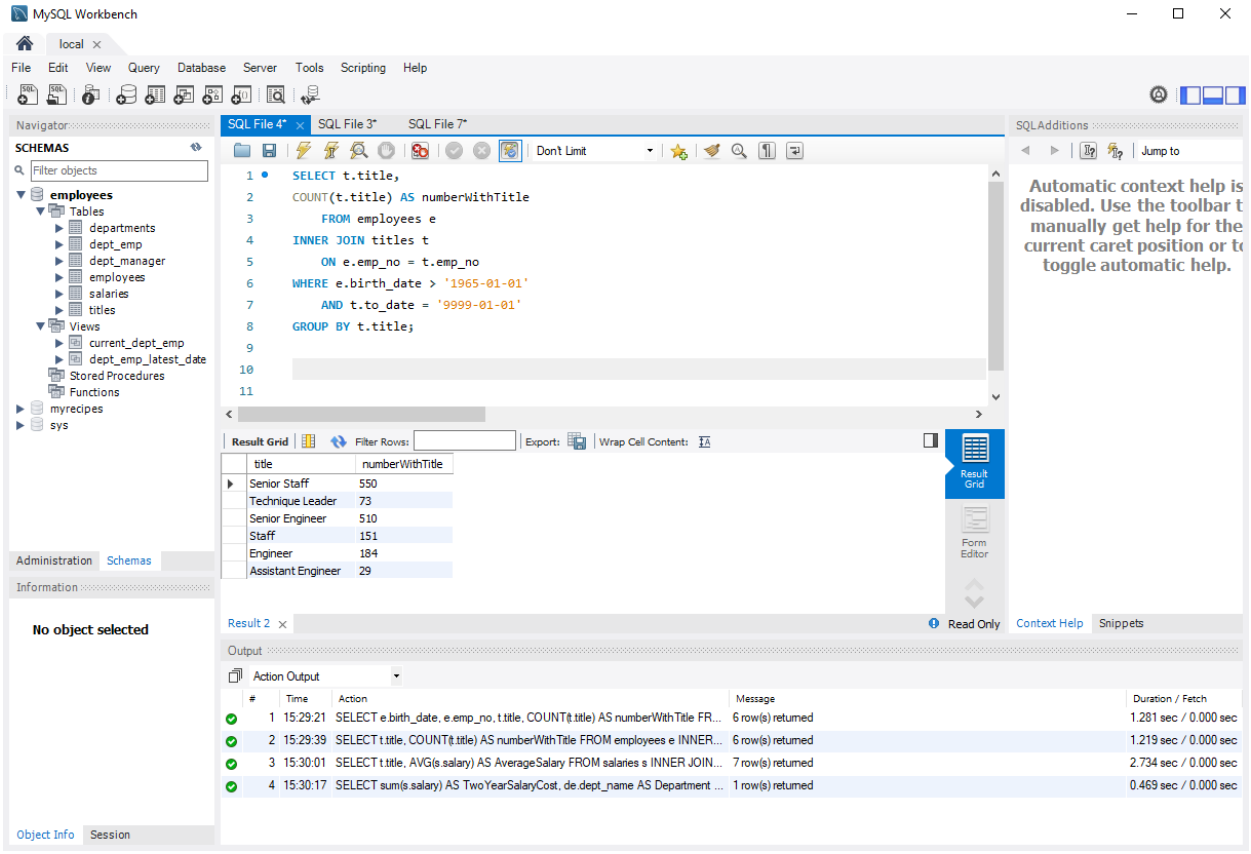
Write queries to address the following business needs.

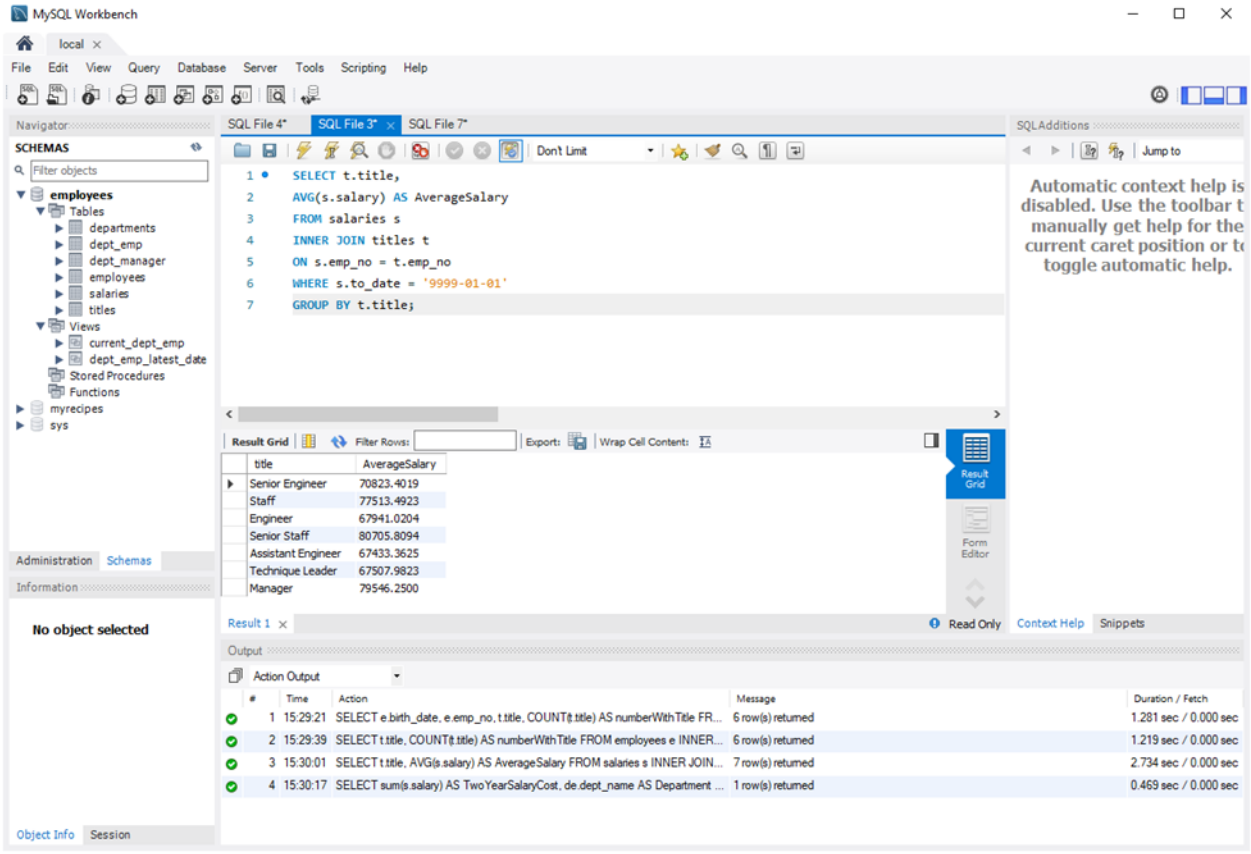
1. I want to know how many employees with each title were born after 1965-01-01.

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:


MySQL Workbench
local
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
employees
Tables
departments
dept_emp
dept_manager
employees
salaries
titles
Views
current_dept_emp
dept_emp_latest_date
Stored Procedures
Functions
myrecipes
sys
Administration Schemas
Information
No object selected
Object Info Session
SQL File 4* SQL File 3* SQL File 7*
Don't Limit
1 SELECT t.title,
2 COUNT(t.title) AS numberWithTitle
3 FROM employees e
4 INNER JOIN titles t
5 ON e.emp_no = t.emp_no
6 WHERE e.birth_date > '1965-01-01'
7 AND t.to_date = '9999-01-01'
8 GROUP BY t.title;
9
10
11
Result Grid Filter Rows: Export: Wrap Cell Content:
title numberWithTitle
Senior Staff 550
Technique Leader 73
Senior Engineer 510
Staff 151
Engineer 184
Assistant Engineer 29
Result Grid
Form Editor
Result 2
Read Only
SQL Additions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
1 15:29:21 SELECT e.birth_date, e.emp_no, t.title, COUNT(t.title) AS numberWithTitle FR... 6 row(s) returned 1.281 sec / 0.000 sec
2 15:29:39 SELECT t.title, COUNT(t.title) AS numberWithTitle FROM employees e INNER... 6 row(s) returned 1.219 sec / 0.000 sec
3 15:30:01 SELECT t.title, AVG(s.salary) AS AverageSalary FROM salaries s INNER JOIN... 7 row(s) returned 2.734 sec / 0.000 sec
4 15:30:17 SELECT sum(s.salary) AS TwoYearSalaryCost, de.dept_name AS Department ... 1 row(s) returned 0.469 sec / 0.000 sec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2 AVG(s.salary) AS AverageSalary
3 FROM salaries s
4 INNER JOIN titles t
5 ON s.emp_no = t.emp_no
6 WHERE s.to_date = '9999-01-01'
7 GROUP BY t.title;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
title AverageSalary
Senior Engineer 70823.4019
Staff 77513.4923
Engineer 67941.0204
Senior Staff 80705.8094
Assistant Engineer 67433.3625
Technique Leader 67507.9823
Manager 79546.2500
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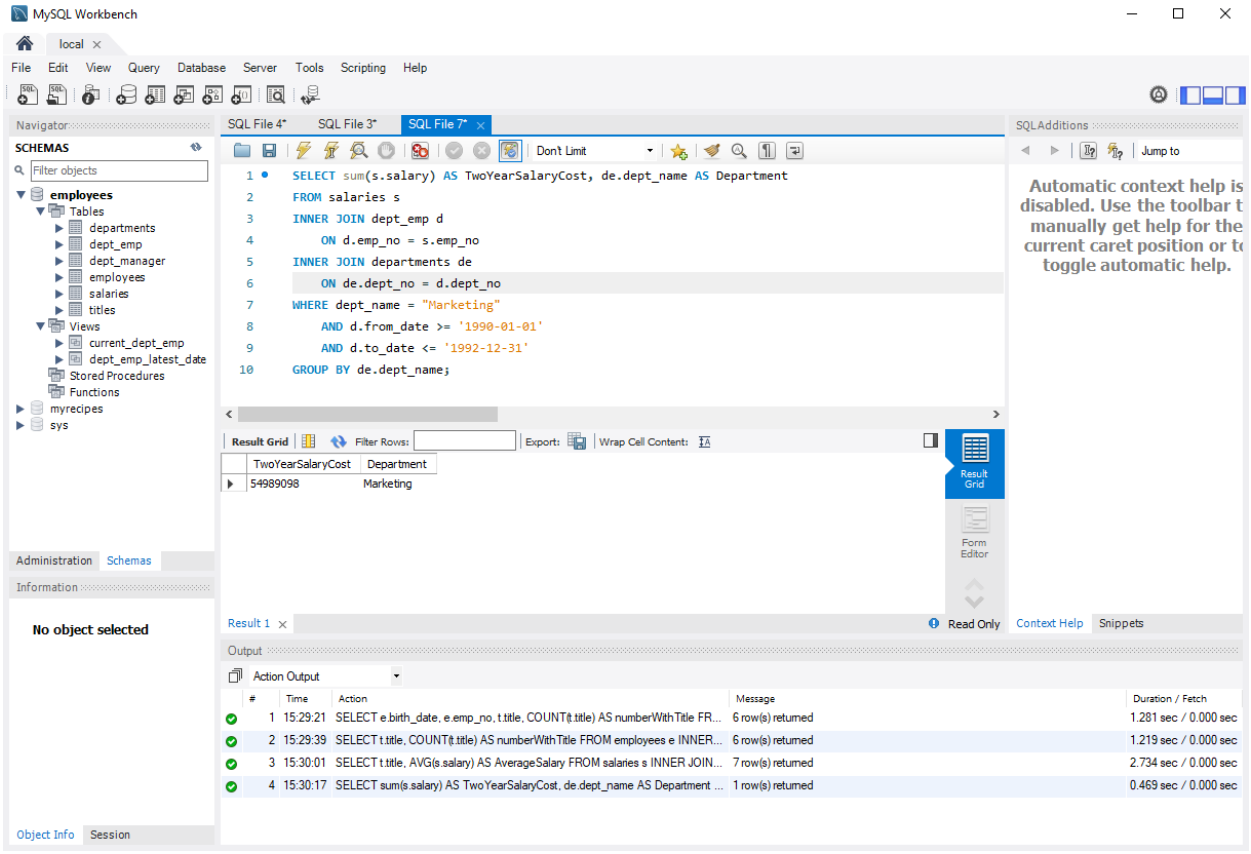

Screenshots of Query Results (only include the last 20 rows):

URL to GitHub Repository:
https://github.com/LoganMunsterman/Week8CodingAssignment