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:

```sql
SELECT titles.title, count(employees.birth_date) AS "Employees born after 1965-01-01", birth_date FROM employees
JOIN titles ON employees.emp_no = titles.emp_no
GROUP BY titles.title
HAVING employees.birth_date >= "1965-01-01";

SELECT titles.title, avg(salaries.salary) AS "Average Salary" FROM salaries
JOIN titles ON salaries.emp_no = titles.emp_no
GROUP BY titles.title;

SELECT departments.dept_name, SUM(salaries.salary) AS "Total money spent on salary" FROM salaries
JOIN dept_emp ON salaries.emp_no = dept_emp.emp_no
JOIN departments ON dept_emp.dept_no = departments.dept_no
GROUP BY departments.dept_name
HAVING departments.dept_name = "Marketing";
```

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

	title	Employees born after 1965-01-01	birth_date

	title	Average Salary
▶	Senior Engineer	60543.2191
	Staff	69308.7124
	Engineer	59508.0751
	Senior Staff	70470.5013
	Assistant Engineer	59304.9863
	Technique Leader	59294.3742
	Manager	66924.2706

	dept_name	Total money spent on salary
▶	Marketing	13725425266

URL to GitHub Repository:

[DaltonCash/PT-WK8 (github.com)]