

# 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:

## Query 1

```
use employees;  
select count(employees.emp_no) as "Number of Employees", titles.title as "Job Title"  
from employees  
inner join titles on employees.emp_no = titles.emp_no  
where employees.birth_date > '1965-01-01'  
group by titles.title ;
```

les 1 × Output

lect count(employees.emp\_no) as "Numbe" Enter a SQL expression to filter results (use Ctrl+Space)

123 Number of Employees	Job Title
612	Senior Staff
703	Staff
95	Technique Leader
589	Senior Engineer
657	Engineer
97	Assistant Engineer

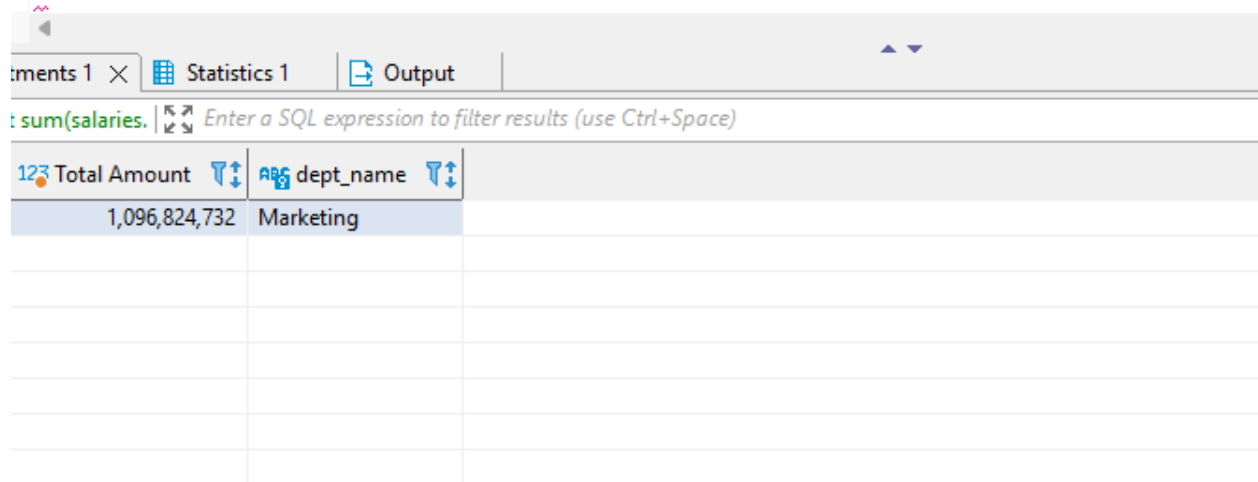
## Query 2

```
select avg(salaries.salary) as "Average Salary", titles.title as "Job Title"  
from salaries  
inner join titles on salaries.emp_no = titles.emp_no  
group by titles.title;
```

titles 2		Statistics 1	Output
ct avg(salaries.si		Enter a SQL expression to filter results (use Ctrl+Space)	
Average Salary	Job Title		
60,543.2191	Senior Engineer		
69,308.7124	Staff		
59,508.0751	Engineer		
70,470.5013	Senior Staff		
59,304.9863	Assistant Engineer		
59,294.3742	Technique Leader		
66,924.2706	Manager		

### Query 3

```
select sum(salaries.salary) as "Total Amount", departments.dept_name
from salaries
inner join dept_emp on salaries.emp_no = dept_emp.emp_no
inner join departments on dept_emp.dept_no = departments.dept_no
where departments.dept_name= "Marketing"
and salaries.from_date > '1989-12-31' and salaries.to_date < '1993-01-01'
group by departments.dept_name;
```



123 Total Amount	dept_name
1,096,824,732	Marketing

URL to GitHub Repository:

<https://github.com/mttsgr/Week8-MYSQL-CodingAssignment>