Relational Databases with MySQL Week 8 Coding Assignment

Points possible: 70

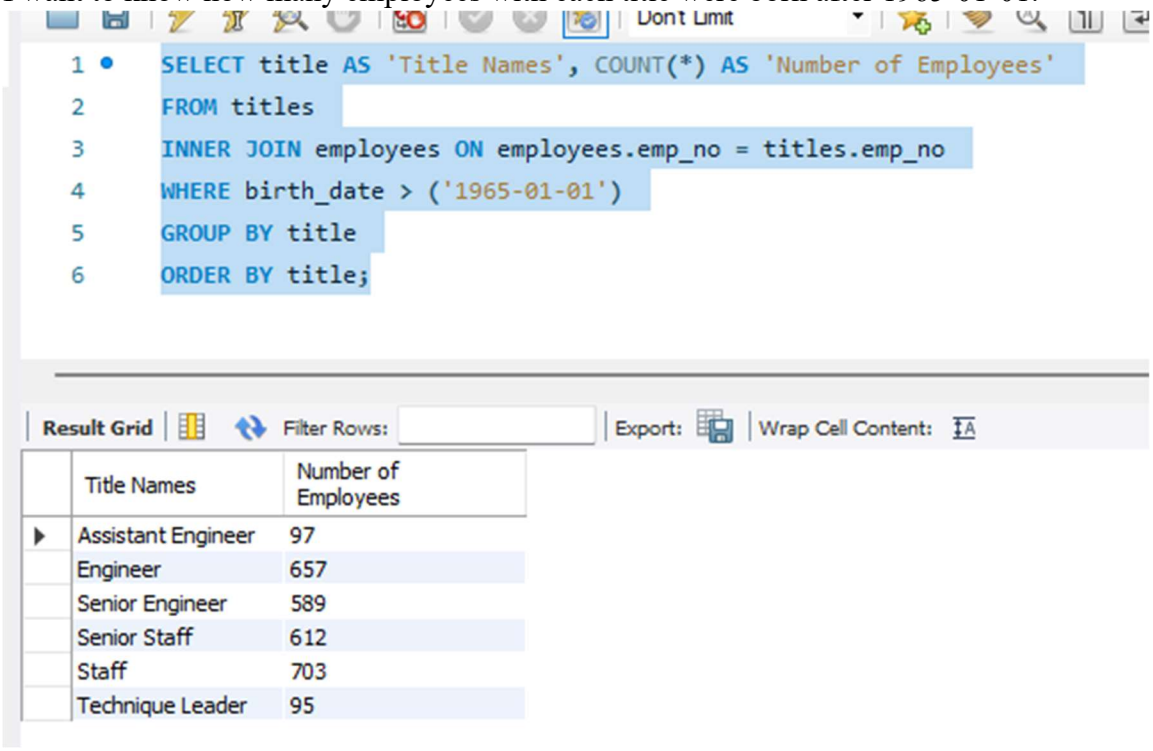
Category	Criteria	% of Grade
Functionality	Does the code work?	25
Organization	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear.	25
Creativity	Student solved the problems presented in the assignment using creativity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



```
SELECT title AS 'Title Names', COUNT(*) AS 'Number of Employees'
FROM titles
INNER JOIN employees ON employees.emp_no = titles.emp_no
WHERE birth_date > ('1965-01-01')
GROUP BY title
ORDER BY title;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

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

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

```
8  SELECT title AS 'Title Names',
9  AVG(salaries.salary) AS 'Average Salary'
10 FROM titles
11 INNER JOIN salaries ON salaries.emp_no = titles.emp_no
12 GROUP BY title
13 ORDER BY title;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Title Names	Average Salary
Assistant Engineer	59304.9863
Engineer	59508.0397
Manager	66924.2706
Senior Engineer	60543.2191
Senior Staff	70470.8353
Staff	69309.1023
Technique Leader	59294.3742

3. How much money was spent on salary for the marketing department between the years 1990 and 1992?

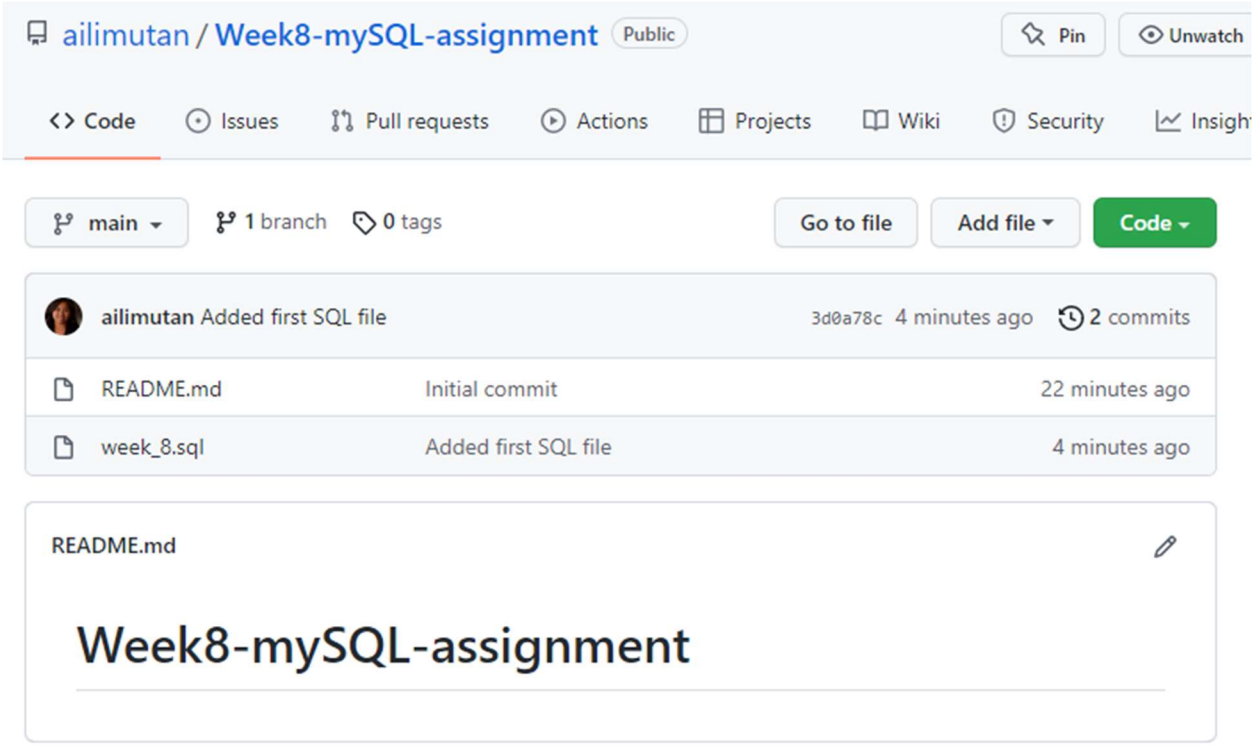
```
15 SELECT departments.dept_name AS "Department Name", SUM(salaries.salary) AS " Salary Spent (Between 1990 and 1992)"
16 FROM salaries
17 INNER JOIN dept_emp ON dept_emp.emp_no = salaries.emp_no
18 INNER JOIN departments ON departments.dept_no = dept_emp.dept_no
19 WHERE dept_name = "Marketing" AND dept_emp.from_date >= '1990-01-01' AND dept_emp.to_date <= '1992-12-31'
20 GROUP BY departments.dept_name;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Department Name	Salary Spent (Between 1990 and 1992)
Marketing	54989098

URL to GitHub Repository:

https://github.com/ailimutan/Week8-mySQL-assignment


ailimutan / Week8-mySQL-assignment
Public
Pin
Unwatch
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insigh
main
1 branch
0 tags
Go to file
Add file
Code
ailimutan Added first SQL file
3d0a78c 4 minutes ago
2 commits
README.md
Initial commit
22 minutes ago
week_8.sql
Added first SQL file
4 minutes ago
README.md
Week8-mySQL-assignment