

**0/5** Questions Answered

## Quiz 7: SQL Queries

**STUDENT NAME**

### Q1 Quiz 7: SQL Queries

10 Points

Consider the following relational schema and answer the following questions by formulating appropriate SQL queries:

*Emp* (*eid*: integer PRIMARY KEY, *ename*: string, *age*: integer, *salary*: decimal(8,2));

*Works* (*eid*: integer, *did*: integer, *pcttime*: integer, PRIMARY KEY (*eid*, *did*));

*Dept* (*did*: integer PRIMARY KEY, *dname*: string, *budget*: decimal(8,2), *managerid*: integer);

You should spend about 5 minutes attempting each question. Feel free to refer to the lecture notes and talk to your brainstorming buddy! Your TA will go over the answer(s) for each question with you during your discussion meeting.

#### Q1.1

2 Points

Find the names, salaries, and department names of employees who work in a department whose manager's salary exceeds the

department's budget.

Enter your answer here

Save Answer

### Q1.2

2 Points

Find the ids, names, and ages of employees who work in every department.

Enter your answer here

Save Answer

### Q1.3

2 Points

Find the employee age ranges (min and max) and the sum of salaries (attributing salaries involving part-time assignments appropriately) by department, considering only departments with at least 10 employees.

Enter your answer here

Save Answer

**Q1.4**

2 Points

Print an alphabetical company roster that lists each employee's id, name, and age along with the percent-times, ids, and names of their departments and the ids and names of their managers. Each of the roster's entries should have those seven fields, and every employee should be listed at least once, including employees without department assignments or managers.

Enter your answer here

Save Answer

**Q1.5**

2 Points

It's time to make some budget cuts! Give a 10% pay cut to the employee(s) who are the current highest earners in the company.

Enter your answer here

Save Answer

Save All Answers

Submit & View Submission ➤