Lab Assignment-4

Name: J Viswaksena

Roll.No: AM.EN.U4AIE21035

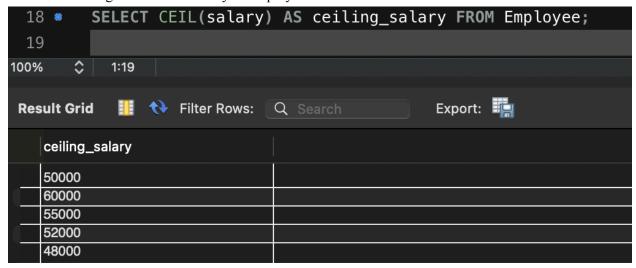
Consider the employee table:

Employee (employee_id varchar(15), ename varchar(20), date_of_birth date, salary numeric(9,2))

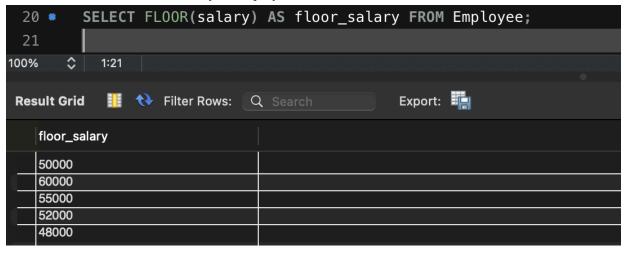
Entries:

```
INSERT INTO Employee (employee id, ename, date of birth, salary)
  9 .
 10
         VALUES
 11
             ('EMP001', 'John Doe', '1990-05-15', 50000.00),
 12
             ('EMP002', 'Jane Smith', '1985-10-20', 60000.00),
             ('EMP003', 'Michael Johnson', '1988-03-25', 55000.00),
 13
 14
             ('EMP004', 'Emily Brown', '1992-07-12', 52000.00),
             ('EMP005', 'David Wilson', '1995-01-30', 48000.00);
 15
 16 •
         select * from Employee;
100%
       0
           24:16
                                                  Export:
Result Grid
            Filter Rows: Q Search
   employee_id ename
                           date_of_bir... salary
   EMP001
              John Doe
                           1990-05-15
                                      50000.00
   EMP002
              Jane Smith
                           1985-10-20
                                      60000.00
   EMP003
             Michael Johnson 1988-03-25
                                      55000.00
   EMP004
              Emily Brown
                           1992-07-12
                                      52000.00
   EMP005
              David Wilson
                           1995-01-30
                                      48000.00
```

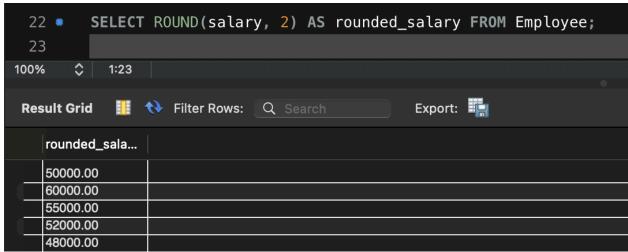
1. Find the ceiling value for the salary of employees.



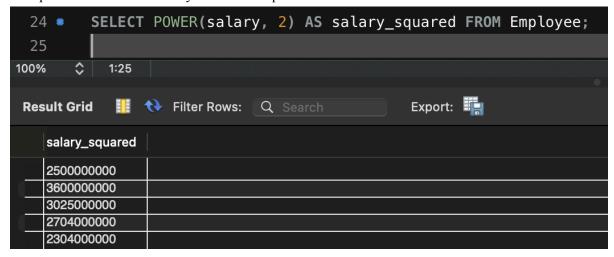
2. Find the floor value for the salary of employees.



3. Round off the salary of employees to the nearest 2 places.



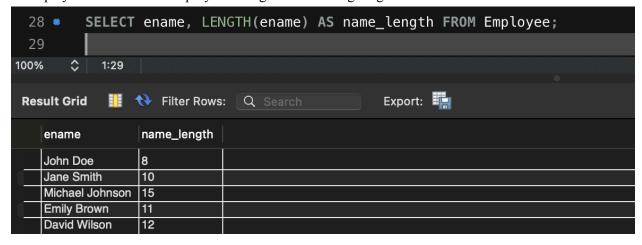
4. Represent the value of salary raised to the power of 2.



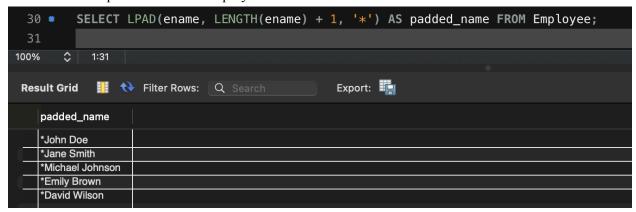
5. Represent the name of employees in lower case.



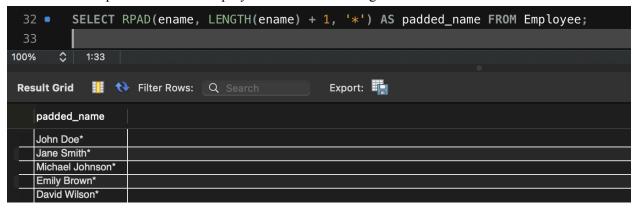
6. Display the name of the employees along with the string length.



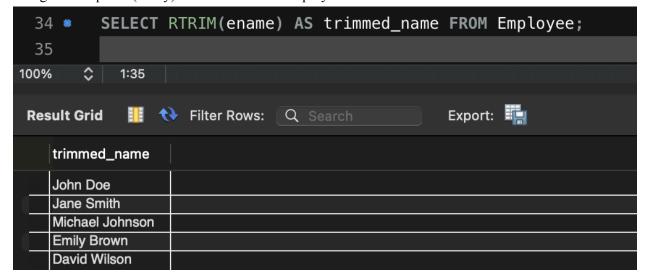
7. Pad the extra space of name of employees with '*' on the left.



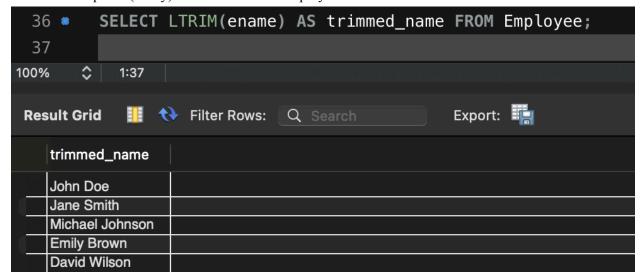
8. Pad the extra space of name of employees with '*' on the right.



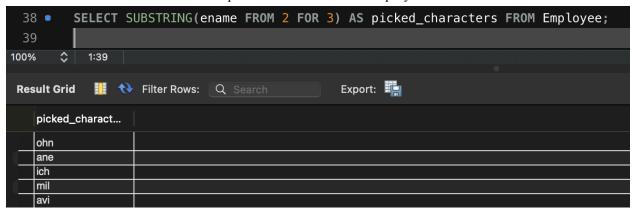
9. Right trim spaces (if any) from the name of employees.



10. Left trim spaces (if any) from the name of employees.



11. Pick 3 characters from the second position of the name of employees.



12. Use the to char function to format the date of birth field of employees.



13. SELECT to_date('20170103','YYYYMMDD');

```
2 SELECT to_date('20170103','YYYYMMDD');
3
```

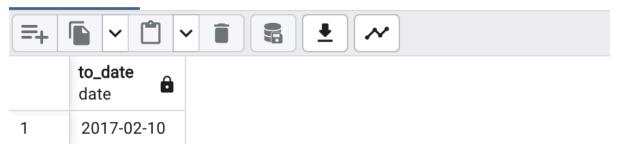
Data Output Messages Notifications



14. Suppose you want to convert the string 2017 Feb 10 to a date value, you can apply the pattern YYYY Mon DD as follows:

```
3 SELECT to_date('2017 Feb 10', 'YYYYY Mon DD');
4
```

Data Output Messages Notifications



15. Find the employees who celebrate their birthday in January.

```
7 WHERE EXTRACT(MONTH FROM date_of_birth) = 1;
8
```

Data Output Messages Notifications

	employee_id character varying (15)	ename character varying (20)	date_of_birth date	salary numeric (9,2)
1	EMP005	David Wilson	1995-01-30	48000.00