CSE5011 – Database Systems and Design

Assessment - 2

(Ex-3 and Ex-4)

Rahul Pathak 21MAI0069

Vellore Institute of Technology

Exercise: III

Operators and Functions

1. Find the employee names whose salary lies in the range between 30000 and 70000.



2. Find the employees who have no supervisor.



3. Display the bdate of all employee s in the format 'DDthMonthYYYY'.

select to_char(BIRTHDAY, 'DDthMonthYYYY') as Bdate from employee

Results Explain Describe Saved SQL History

BDATE		
08THDecember 1972		
20THJune 1983		
09THJanuary 1987		
15THSeptember1985		
13THJune 1981		
11THAugust 1983 16THFebruary 1989 22NDNovember 1984 22NDNovember 1967 09THFebruary 1981		
		More than 10 rows available. Increase rows selector to view more rows.

10 rows returned in 0.00 seconds

CSV Export

4. Display the employee names whose bdate is on or before 1978.

select FIRST_NAME, MID_NAME, LAST_NAME from employee where BIRTHDAY <= to_date('31-DEC-1978')

FIRST_NAME MID_NAME LAST_NAME

Frankin T Wong

Mark A Ruffalo

Doug E Gilbert

Joyce - PAN

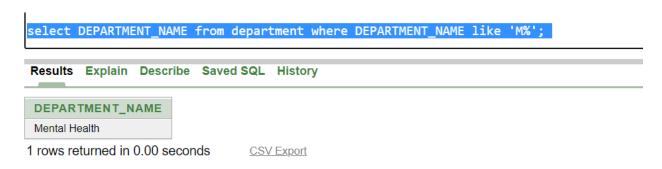
Robert D Junior

Results Explain Describe Saved SQL History

5 rows returned in 0.00 seconds

CSV Export

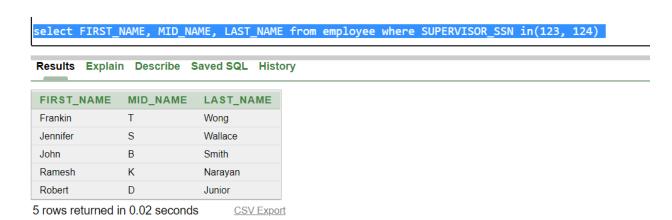
5. Display the department name that starts with 'M'.



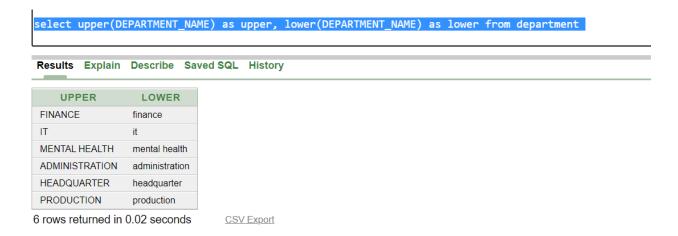
6. Display the department names' that ends with 'E'.



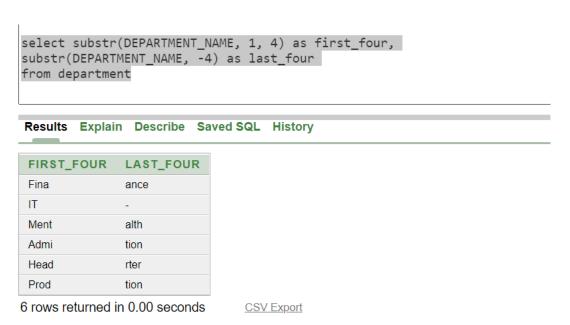
7. Display the names of all the employees having supervisor with any of the following SSN 123, 124.



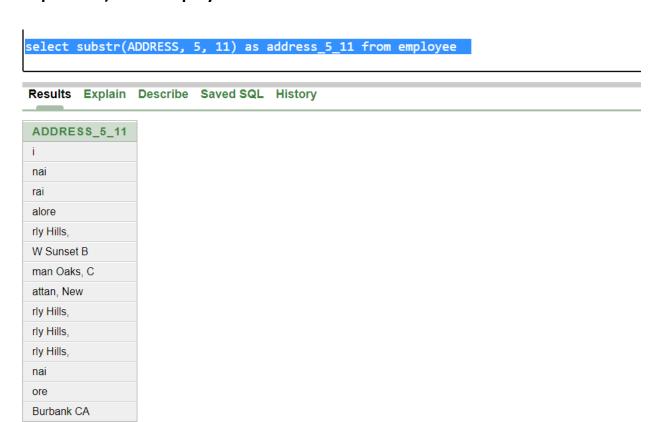
8. Display all the department names in upper case and lower case.



9. Display the first four characters and last four of the department names using substring function.



10. Display the substring of the Address (starting from 5th position to 11th position) of all employees.



14 rows returned in 0.00 seconds

CSV Export

11. Display the Mgrstartdate on adding three months to it.

select add_months(MANAGER_START_DATE, 3) as new_msrstratdate
from department

Results Explain Describe Saved SQL History

NEW_MSRSTRATDATE

18-AUG-13

12-SEP-15

01-APR-93

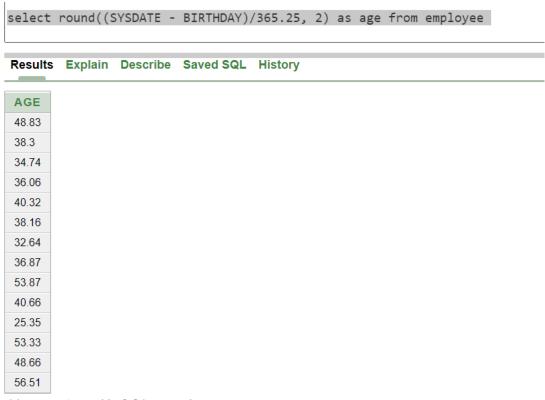
03-APR-12

6 rows returned in 0.00 seconds

16-MAR-15 01-JAN-89

CSV Export

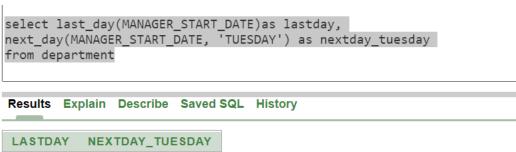
12. Display the age of all the employees rounded to two digits.



14 rows returned in 0.01 seconds

CSV Export

13. Find the last day and next day of the month in which each manager has joined.



LASTDAY	NEXTDAY_TUESDAY
31-MAY-13	21-MAY-13
30-JUN-15	16-JUN-15
31-JAN-93	05-JAN-93
31-JAN-12	10-JAN-12
31-DEC-14	23-DEC-14
31-OCT-88	04-OCT-88

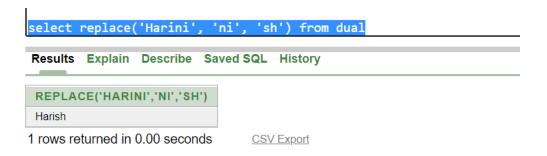
6 rows returned in 0.00 seconds

CSV Export

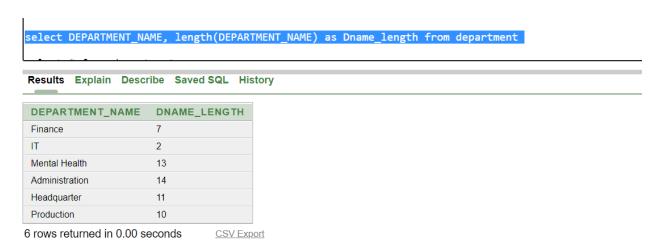
14. Print a substring from the string 'Harini'.



15. Replace the string 'ni' from 'Harini' by 'sh'.



16. Print the length of all the department names.



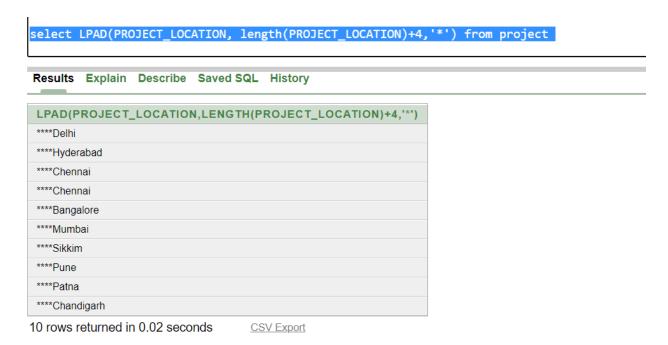
17. Display the date after 10 months from current date.



18. Display the next occurrence of Friday in this month.



19. Display the project location padded with **** on left side.



Exercise: IV Group Functions

1. How many different departments are there in the 'employee' table



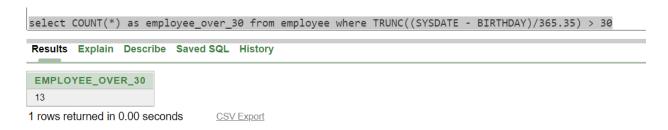
2. For each department display the minimum and maximum employee salaries



3. Print the average annual salary.



4. Count the number of employees over 30 age.



5. Print the Department name and average salary of each department.



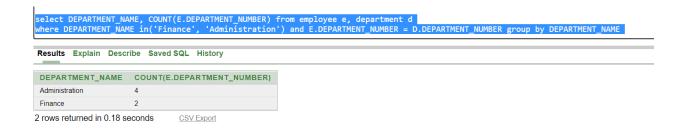
6. Display the department name which contains more than 2 employees.



7. Calculate the average salary of employees by department and age



8. Count separately the number of employees in the finance and administration department.



9. List out the employees based on their seniority.



10 rows returned in 0.03 seconds

CSV Expor