

**Department of Computer Science and Engineering,
College of Engineering Guindy, Anna University, Chennai**
CS6106- Database Management Systems
Exercises on Strings, Synonyms, Sequences and Cursors
Week - 9
24- Apr- 2024
Execution Questions

1. Write a query to find all employees whose first name starts with the letter 'A'.
2. Write a query to concatenate the first name and last name of employees, separated by a space.
3. Write a query to find employees whose email address ends with '.com'.
4. Display the names of all employees, replacing all lowercase characters with uppercase.
5. Write a query to find employees whose last name has exactly 5 characters.
6. Display the email addresses of all employees, replacing '@' with 'at'.
7. List the employee names along with the number of occurrences of the letter 'a' in their names.
8. Create a synonym for the "Employees" table named "Staff". Select all rows from the "Staff" table.
9. Write a PL/SQL block using a cursor to display all employee names and their respective job titles in table form.
10. Write a PL/SQL block using a cursor to find the average salary of all employees.
11. Create a synonym named "Job" for the "Jobs" table. Display all distinct job titles from the "Job" synonym.
12. Write a PL/SQL block using a cursor to find the total number of employees who make above the total average salary. Print the names of these employees.
13. Write a query to display the employee ID, first name, last name, and department name of all employees using the "Emp" synonym for the Employees table and the "Dept" synonym for the Departments table.
14. Write a PL/SQL block using a cursor to find the department with the highest salary paid, and the department with the highest average salary. Find the difference between both the numbers
15. Write a PL/SQL block using cursors to update every employee's salary by the number of years they have worked there. If the updated salary is <40,000, update the salary for all those people with a salary of less than 40,000 to 40,000 now.