**HR Database Exercises –**

1. Write a query to display the names (first\_name, last\_name) using alias name “First Name", "Last

Name"

2. Write a query to get unique department ID from employee table

3. Write a query to get all employee details from the employee table order by first name, descending

4. Write a query to get the names (first\_name, last\_name), salary, PF of all the employees (PF is

calculated as 15% of salary)

5. Write a query to get the employee ID, names (first\_name, last\_name), salary in ascending order of

salary

6. Write a query to get the total salaries payable to employees

7. Write a query to get the maximum and minimum salary from employees table

8. Write a query to get the average salary and number of employees in the employees table

9. Write a query to get the number of employees working with the company

10. Write a query to get the number of jobs available in the employees table

11. Write a query get all first name from employees table in upper case

12. Write a query to get the first 3 characters of first name from employees table

13. Write a query to get first name from employees table after removing white spaces from both side

14. Write a query to get the length of the employee names (first\_name, last\_name) from employees table

15. Write a query to check if the first\_name fields of the employees table contains numbers

16. Write a query to display the name (first\_name, last\_name) and salary for all employees whose salary is

not in the range $10,000 through $15,000

17. Write a query to display the name (first\_name, last\_name) and department ID of all employees in

departments 30 or 100 in ascending order

18. Write a query to display the name (first\_name, last\_name) and salary for all employees whose salary is

not in the range $10,000 through $15,000 and are in department 30 or 100

19. Write a query to display the name (first\_name, last\_name) and hire date for all employees who were

hired in 1987

20. Write a query to display the first\_name of all employees who have both "b" and "c" in their first name

21. Write a query to display the last name, job, and salary for all employees whose job is that of a

Programmer or a Shipping Clerk, and whose salary is not equal to $4,500, $10,000, or $15,000

22. Write a query to display the last name of employees whose names have exactly 6 characters

23. Write a query to display the last name of employees having 'e' as the third character

24. Write a query to get the job\_id and related employee's id

Partial output of the query :

job\_id Employees ID

AC\_ACCOUNT206

AC\_MGR 205

AD\_ASST 200

AD\_PRES 100

AD\_VP 101 ,102

FI\_ACCOUNT 110 ,113 ,111 ,109 ,112

25. Write a query to update the portion of the phone\_number in the employees table, within the phone

number the substring '124' will be replaced by '999'

26. Write a query to get the details of the employees where the length of the first name greater than or

equal to 8

27. Write a query to append '@example.com' to email field

28. Write a query to extract the last 4 character of phone numbers

29. Write a query to get the last word of the street address

30. Write a query to get the locations that have minimum street length

31. Write a query to display the first word from those job titles which contains more than one words

32. Write a query to display the length of first name for employees where last name contain character 'c'

after 2nd position

33. Write a query that displays the first name and the length of the first name for all employees whose name starts with the letters 'A', 'J' or 'M'. Give each column an appropriate label. Sort the results by the employees' first names

34. Write a query to display the first name and salary for all employees. Format the salary to be 10

characters long, left-padded with the $ symbol. Label the column SALARY

35. Write a query to display the first eight characters of the employees' first names and indicates the

amounts of their salaries with '$' sign. Each '$' sign signifies a thousand dollars. Sort the data in

descending order of salary

36. Write a query to display the employees with their code, first name, last name and hire date who hired either on seventh day of any month or seventh month in any year

**Northwind Database Exercises**

1. Write a query to get Product name and quantity/unit

2. Write a query to get current Product list (Product ID and name)

3. Write a query to get discontinued Product list (Product ID and name)

4. Write a query to get most expense and least expensive Product list (name and unit price)

5. Write a query to get Product list (id, name, unit price) where current products cost less than $20

6. Write a query to get Product list (id, name, unit price) where products cost between $15 and $25

7. Write a query to get Product list (name, unit price) of above average price

8. Write a query to get Product list (name, unit price) of ten most expensive products

9. Write a query to count current and discontinued products

10. Write a query to get Product list (name, units on order , units in stock) of stock is less than the quantity on order