Assignment

Feb19/ DBT/ 007

Database Technologies

Diploma in Advance Computing

February 2019

**DML commands: Select data with WHERE, GROUP BY, HAVING, ORDER BY and LIMIT clause.**

USE *n2employee, n2department, n2employee\_department, n2salary, n2commission, n2contact, n2address, n2qualification, n2hobbies,* and *n2jobhistory*relation to solve the following queries.

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| 1. List all employees. |
| select \* from n2employee; |
|  |
| 1. List *FIRSTNAME*, *LASTNAME* of all employees. |
| select firstname, lastname from n2employee; |
|  |
| 1. Display employee information of the employee *ID* is 10. |
| select \* from n2employee where id = 10; |
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| 1. List of various department available from the *n2department* relation. |
| select \* from n2department; |
|  |
| 1. List all employees having ‘A’ as second letter in their *FIRSTNAME*. |
| select \* from n2employee where firstname like 'A%'; |
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| 1. List *ID,* *FIRSTNAME*, *LASTNAME*, and *GENDER* whose *GENDER* is ‘M’. |
| select firstname, lastname, gender from n2employee where gender = 'M'; |
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| 1. Display the details of the employees who have joined on '1964-10-25'. |
| select \* from n2employee where hiredate = '1964-10-25'; |
|  |
| 1. List all employees having ‘R’ as first letter in their *FIRSTNAME*. |
| select \* from n2employee where firstname like 'R%'; |
|  |
| 1. Display the *FIRSTNAME*, *LASTNAME* from n2employee relation with Customized column headings. |
| select firstname as "First Name", lastname as "Last Name" from n2employee; |
|  |
| 1. List all employees whose *GENDER* is ‘F’. |
| select \* from n2employee where gender = 'F'; |
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| 1. List the employee *ID* from *n2hobbies* relation whose hobby is ‘Swimming’ |
| select employeeid from n2hobbies where name='swimming'; |
|  |
| 1. Get all salary details with previous salary for employee *ID* 1 and 10. |
| select \* from n2salary where employeeid = 1 or employeeid = 10; |
|  |
| 1. Get *ID*, *EMPLOYEEID*, *NUMBER*, and *EMAILID* from *n2contact* whosemobile *number* starts with ‘99’. |
| select id, employeeid, phonenumber, emailid from n2contact where phonenumber like '99%'; |
|  |
| 1. List all employees who had joined the organization on '1964-10-25'. |
| select \* from n2employee where hiredate = '1964-10-25'; |
|  |
| 1. List all employees who had joined the organization before '1964-10-25'. |
| select \* from n2employee where hiredate < '1964-10-25'; |
|  |
| 1. List all employees who had joined the organization before '1964-10-25' and whose *GENDER* is ‘F’. |
| select \* from n2employee where hiredate < '1964-10-25' and gender = 'F'; |
|  |
| 1. Display *ID, FIRSTNAME, LASTNAME,* and *HIREDATE* of employee whose *LASTNAME* is ‘Ross’. |
| select id, firstname, lastname, hiredate from n2employee where lastname = 'ross'; |
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| 1. Display employee details whose *FIRSTNAME* is 'Alexander'. |
| select \* from n2employee where firstname = 'Alexander'; |
|  |
| 1. Display employee details having employee *ID* is 1, 8, and 9. |
| select \* from n2employee where id = 1 or id=8 or id=9; |
|  |
| 1. Display employee details whose *FIRSTNAME* starting with letter 'D'. |
| select \* from n2employee where firstname like 'd%'; |
|  |
| 1. Display employee details whose *FIRSTNAME* ending with letter 'N'. |
| select \* from n2employee where firstname like '%n'; |
|  |
| 1. Display employee details whose *FIRSTNAME* starting with letter 'D' and ending with letter 'D'. |
| select \* from n2employee where firstname like 'D%D'; |
|  |
| 1. Display employee details whose *FIRSTNAME* ‘S second letter is 'A'. |
| select \* from n2employee where firstname like '\_A%'; |
|  |
| 1. Display the qualification details from *n2qualification* relation whose employee *ID* is 10, 12 and 14. |
| select \* from n2qualification where employeeid = 10 or employeeid = 12 or employeeid = 14; |
|  |
| 1. Display *EMPLOYEEID, NAME, ADDMISSIONYEAR, INSTITUTE, UNIVERSITY, YEAROFPASSING, PERCENTAGE,* and *GRADE* whose employee is between 10 to 15. |
| select employeeid, name, addmissionyear, institute, university, yearofpassing, percentage, grade from n2qualification limit 9, 10 |
|  |
| 1. Display *EMPLOYEEID, NAME, ADDMISSIONYEAR, INSTITUTE, UNIVERSITY, YEAROFPASSING, PERCENTAGE,* and *GRADE* who have studied in “Stanford University” university. |
| select employeeid, name, addmissionyear, institute, university, yearofpassing, percentage, grade from n2qualification where university = 'Stanford university'; |
|  |
| 1. Display *EMPLOYEEID, NAME, ADDMISSIONYEAR, INSTITUTE, UNIVERSITY, YEAROFPASSING, PERCENTAGE,* and *GRADE* who has done “BE” from “Yale University”. |
| select employeeid, name, addmissionyear, institute, university,  yearofpassing, percentage, grade from n2qualification where name ='be' and university = 'yale university'; |
|  |
| 1. Display *EMPLOYEEID, NAME, ADDMISSIONYEAR, INSTITUTE, UNIVERSITY, YEAROFPASSING, PERCENTAGE,* and *GRADE* whose *PERCENTAGE* is more than 60 and done ‘BE’. |
| select employeeid, name, addmissionyear, institute, university,  yearofpassing, percentage, grade from n2qualification where name ='be' and percentage >60; |
|  |
| 1. Display the hobby details from *n2hobbies* whose employee *ID* is 5 and 10. |
| select \* from n2hobbies where employeeid = 5 or employeeid = 10; |
|  |
| 1. Display employee *ID* whose hobby *NAME* is “Running” |
| select employeeid from n2hobbies where name = 'running'; |
|  |
| 1. Display *grade* from n2qualification table in ascending order of grade. (i.e. A++, A, B++, B, C, D, F). |
| select grade from n2qualification order by if(grade='A+',1, if(grade="A", 2, if(grade="B+", 3, if(grade="B", 4, if(grade="C", 5, if(grade="D" ,6, 7)))))); |
|  |
| 1. Display *phone number* and *email*-*id* of the employeeid 10. |
| select phonenumber, emailid from n2contact where employeeid = 10; |
|  |
| 1. Display all employeeid, phone number, and email-id of all employees whose phone number starts with 9. |
| select employeeid, phonenumber, emailid from n2contact where phonenumber like '9%'; |
|  |
| 1. Display all address (*from n2address relation*) details, who are living in ‘Las Vega’ city. |
| select \* from n2address where city='Las Vega'; |
|  |
| 1. Display all qualification (*from* *n2qualification relation*) details who have done ‘BE’ and his/her year of passing is 1964. |
| select \* from n2qualification where name = 'BE' and yearofpassing = 1964; |
|  |
| 1. Display all education (*from* *n2qualification relation*) detail who have studied in 'Yale University' |
| select \* from n2qualification where university = 'Yale University'; |
|  |
| 1. Display all education (*from* *n2qualification relation*) detail who have studied in 'University of Chicago' and has done ‘BE’. |
| select \* from n2qualification where university = ' University of Chicago' and name='BE'; |
|  |
| 1. Display all hobby name (*from* *n2hobbies relation*) for the employee 21. |
| select \* name n2hobbies where employeeid=21; |
|  |
| 1. Display employeeid (*from* *n2hobbies relation*), whose hobby is playing ‘Football’. |
| select employeeid from n2hobbies where name = 'Football'; |
|  |
| 1. Display firstName, lastName, gender, and hiredate (*from n2employee relation*) whose firstname starts with the letter ‘S’ and gender is ‘F’. |
| select firstName, lastName, gender, hiredate from n2employee where firstname like 'S%' and gender='F'; |
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| 1. Get employee details in descending order of gender and firstname. |
| select \* from n2employee order by gender, firstname; |
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