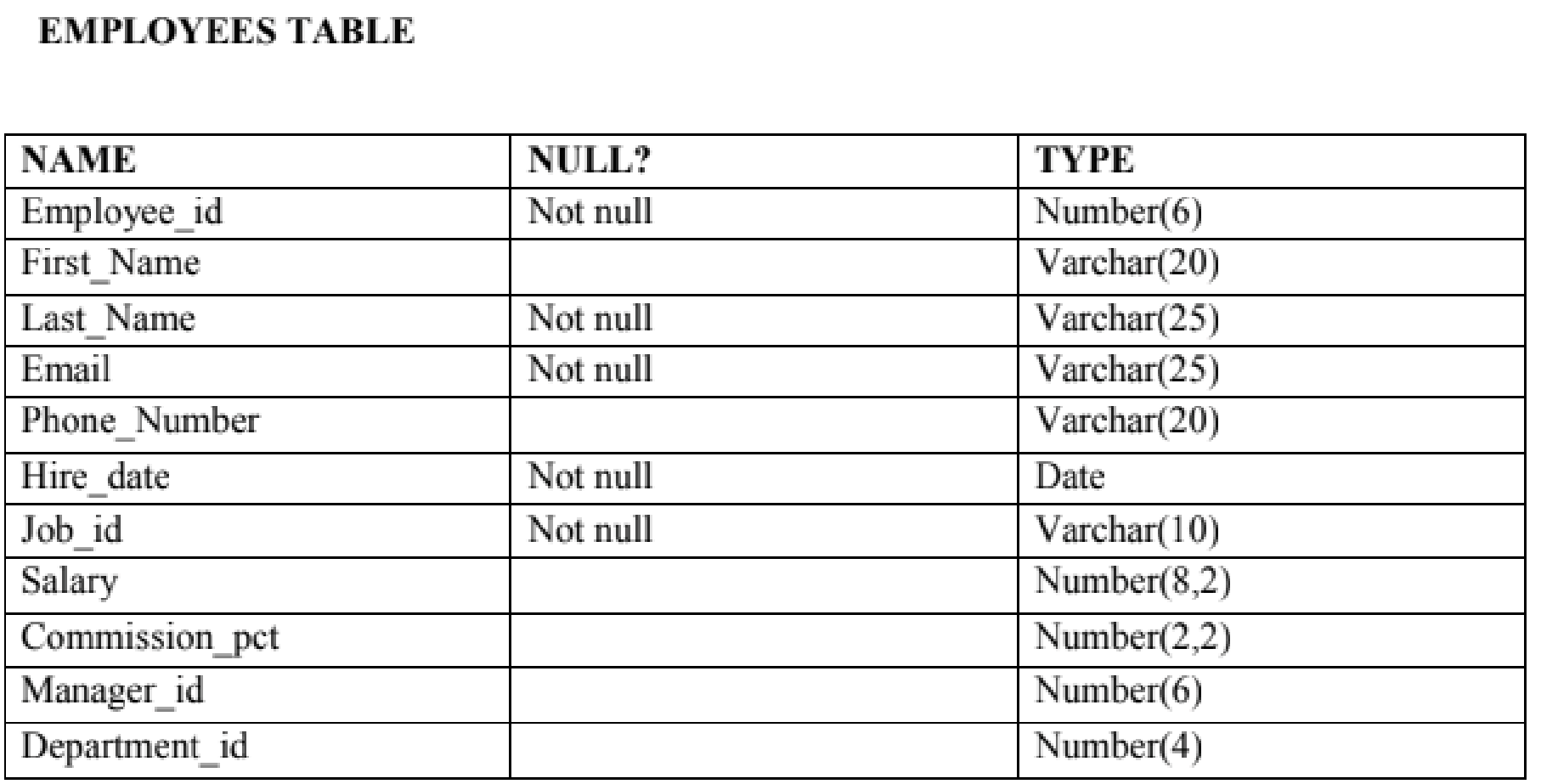
**EX.NO:6**

**DATE:11.09.2024**

# RESTRICTINGANDSORTINGDATA

Find the Solution for the following:



**CREATE TABLE Employees (**

**Employee\_id NUMBER(6) NOT NULL,**

**First\_Name VARCHAR(20),**

**Last\_Name VARCHAR(25) NOT NULL,**

**Email VARCHAR(25) NOT NULL,**

**Phone\_Number VARCHAR(20),**

**Hire\_date DATE NOT NULL,**

**Job\_id VARCHAR(10) NOT NULL,**

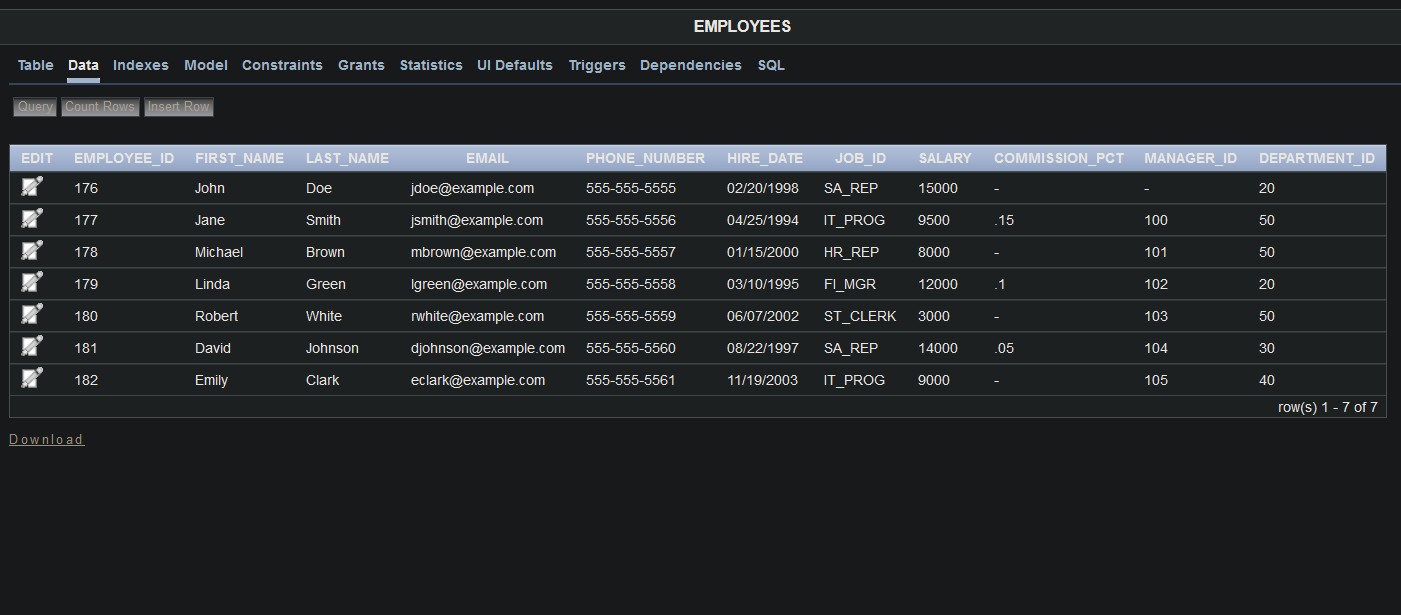
**Salary NUMBER(8,2),**

**Commission\_pct NUMBER(2,2),**

**Manager\_id NUMBER(6),**

**Department\_id NUMBER(4)**

**);**

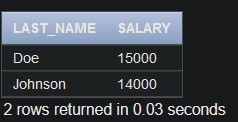


1. Create a query to display the last name and salary of employees earning more than 12000.

**SELECT Last\_Name, Salary**

**FROM Employees**

**WHERE Salary > 12000;**

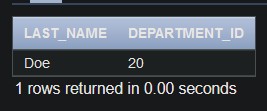


1. Create a query to display the employee last name and department number for employee number 176.

**SELECT Last\_Name, Department\_id**

**FROM Employees**

**WHERE Employee\_id = 176;**

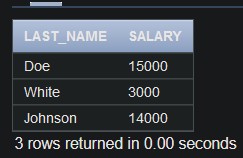


1. Create a query to display the last name and salary of employees whose salary is not in the range of 5000 and 12000. (hints: not between )

**SELECT Last\_Name, Salary**

**FROM Employees**

**WHERE Salary NOT BETWEEN 5000 AND 12000;**



1. Display the employee last name, job ID, and start date of employees hired between February 20,1998 and May 1,1998.order the query in ascending order by start date.(hints:

between)

**SELECT Last\_Name, Job\_id, Hire\_date**

**FROM Employees**

**WHERE Hire\_date BETWEEN TO\_DATE('20-FEB-1998', 'DD-MON-YYYY') AND**

**TO\_DATE('01-MAY-1998', 'DD-MON-YYYY')**

**ORDER BY Hire\_date ASC;**



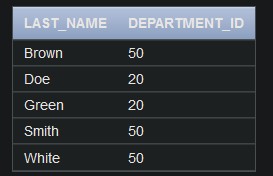
1. Display the last name and department number of all employees in departments 20 and 50 in alphabetical order by name.(hints: in, orderby)

**SELECT Last\_Name, Department\_id**

**FROM Employees**

**WHERE Department\_id IN (20, 50)**

**ORDER BY Last\_Name ASC;**



1. Display the last name and salary of all employees who earn between 5000 and 12000 and are in departments 20 and 50 in alphabetical order by name. Label the columns **EMPLOYEE, MONTHLY SALARY respectively.(hints: between, in)**

**SELECT Last\_Name AS EMPLOYEE, Salary AS "MONTHLY SALARY"**

**FROM Employees**

**WHERE Salary BETWEEN 5000 AND 12000 AND Department\_id IN (20, 50)**

**ORDER BY Last\_Name ASC;**

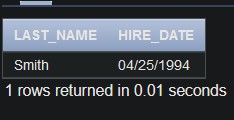


1. Display the last name and hire date of every employee who was hired in 1994.(hints: like)

**SELECT Last\_Name, Hire\_date**

**FROM Employees**

**WHERE Hire\_date LIKE '%1994';**

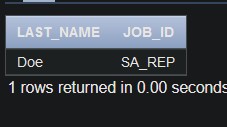


1. Display the last name and job title of all employees who do not have a manager.(hints: is null)

**SELECT Last\_Name, Job\_id**

**FROM Employees**

**WHERE Manager\_id IS NULL;**



1. Display the last name, salary, and commission for all employees who earn commissions.

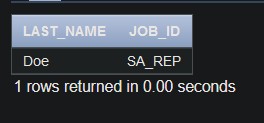
**Sort data in descending order of salary and commissions.(hints: is not nul,orderby)**

**SELECT Last\_Name, Salary, Commission\_pct**

**FROM Employees**

**WHERE Commission\_pct IS NOT NULL**

**ORDER BY Salary DESC, Commission\_pct DESC;**

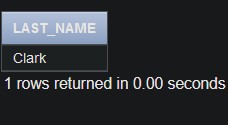


1. Display the last name of all employees where the third letter of the name is a.(hints:like)

**SELECT Last\_Name**

**FROM Employees**

**WHERE Last\_Name LIKE '\_\_a%';**

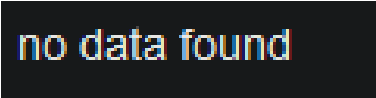


1. Display the last name of all employees who have an a and an e in their last name.(hints: like)

**SELECT Last\_Name**

**FROM Employees**

**WHERE Last\_Name LIKE '%a%' AND Last\_Name LIKE '%e%';**



1. Display the last name and job and salary for all employees whose job is sales

representative or stock clerk and whose salary is not equal to 2500 ,3500 or 7000.(hints:in,not in)

**SELECT Last\_Name, Job\_id, Salary**

**FROM Employees**

**WHERE Job\_id IN ('SA\_REP', 'ST\_CLERK')**

**AND Salary NOT IN (2500, 3500, 7000);**

