**Practice SQL WHERE Clause\_V2 ANS**

## **Exercises**

1. Display the first name and department number for all customers whose last name is “De Haan” (Employees table).

**select first\_name,department\_id from tblemployees where last\_name='De Haan';**

1. Display all data from Departments table for Sales department (department\_name column).

**select \* from tblemployees where department\_id=(select department\_id from tbldepartments where department\_name='Sales');**

1. Display the first name, last\_name, department number and salary for all employees who earn more than 9700 (Employees table).

**SELECT**

**first\_name,last\_name,department\_id,salary**

**FROM tblemployees**

**where salary>9700;**

1. Display all data from Employees table for all employees who was hired before January 1st, 1992.

**select \* from tblemployees WHERE hire\_date='01-JAN-1992';**

1. Display the employee number, first name, job id and department number for all employees whose department number equals 20, 60 or 80 (Employees table).

**select employee\_id,first\_name,job\_id,department\_id from tblemployees where department\_id in(20,60,80);**

1. Display the employee number, first name, job id and department number for all employees whose department number is not equal to 20, 60 and 80 (Employees table).

**select employee\_id,first\_name,job\_id,department\_id from tblemployees where department\_id NOT in(20,60,80);**

1. Display the last name, phone number, salary and manager number, for all employees whose manager number equals 100, 102 or 103 (Employees table).

**SELECT**

**last\_name,phone\_number,salary,manager\_id**

**FROM tblemployees where manager\_id in(100,101,103);**

1. Display the first name and salary for all employees whose first name ends with an e (Employees table).

**select first\_name,salary from tblemployees where first\_name like '%e';**

1. Display the last name and department number for all employees where the second letter in their last name is i (Employees table).

**select last\_name,department\_id from tblemployees where last\_name like '\_i%';**

1. Display all data from Employees table for all employees who have the letters : L, J, or H in their last name. Sort the query in descending order by salary.

**select \* from tblemployees where upper(last\_name) like '%L%' or upper(last\_name) like '%J%' OR upper(last\_name) like '%H%' order by salary desc ;**

1. Display the first name, hire date, salary and department number for all employees whose first name doesn’t have the letter A. Sort the query in ascending order by department number (Employees table).

**select first\_name,hire\_date,salary,department\_id from tblemployees where lower(first\_name) not like '%a%' order by department\_id;**

1. Display all data from Employees table for all employees without any department number.

**select \* from tblemployees where department\_id is null;**

1. Display the first name concatenated with the last name, separated by comma, and salary, for all employees whose salary not in the range between 7000 and 15000. Sort the query in ascending order by the full name (Employees table).

**select first\_name||','||last\_name,salary from tblemployees where salary not BETWEEN 7000 and 15000;**

1. Display the first name concatenated with the last name, separated by comma, the phone number concatenated with the email address, separated by hyphen, and salary, for all employees whose salary is in the range of 5000 and 10000. Name the column headings: “FULL\_NAME”, “CONTACTS” and “SAL” respectively (Employees table).

**select first\_name||','||last\_name FULL\_NAME,phone\_number||' - '||email CONTACT ,salary SAL from tblemployees where salary BETWEEN 5000 and 10000;**

1. Display all data from Employees table for all employees whose:  
   salary is in the range of 6000 and 800 **and** their commission is not null **or**department number is not equal to 80, 90 and 100 **and** their hire date is before January 1st, 1990.

**select \* from tblemployees where salary BETWEEN 800 and 600 and commission\_pct is not null or department\_id not in(80,90,100) and hire\_date<'01-JAN-1990';**

1. Display last name, job id and hire date for all employees who was hired during December 12th, 1995 and April 17th, 1998.

**SELECT last\_name,job\_id,hire\_date FROM tblemployees where hire\_date BETWEEN '12-DEC-1995' AND '17-APR-1998';**

1. Display the first name concatenated with last name, hire date, commission percentage, telephone, and salary for all employees whose salary is greater than 10000 **or** the third digit in their phone number equals 5. Sort the query in a descending order by the first name (Employees table).

**SELECT first\_name||' '||last\_name FULL\_NAME,hire\_date,commission\_pct,phone\_number,salary FROM tblemployees WHERE salary > 10000 or phone\_number like '\_\_5' order by first\_name DESC;**

1. Display the last name and salary for all employees who earn more than 12000 (Employees table).

**select last\_name,salary from tblemployees where salary>12000;**

1. Display the last name and department number for all employees whose department number is equal to 50 or 80. Perform this exercise once by using the IN operator, once by using the OR operator.

**select last\_name,department\_id from tblemployees where department\_id in(50,80);**

**select last\_name,department\_id from tblemployees where department\_id = 50 or department\_id=80;**

1. Display the first name and salary for all employees who doesn’t earn any commission.

**select last\_name,salary from tblemployees where commission\_pct is NULL;**

1. Display the first name, salary, and manager number for all employees whose manager number is not null.

**select last\_name,salary,manager\_id from tblemployees where manager\_id is not null;**