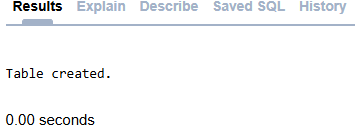
EXERCISE NO 6

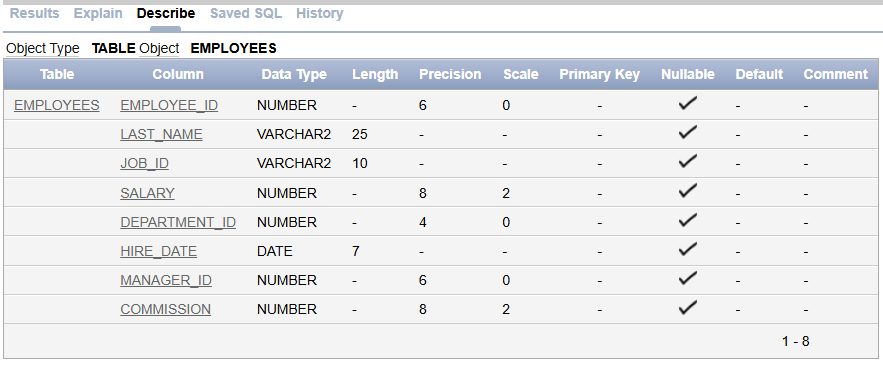
Date: RESTRICTING AND SORTING DATA

CREATING TABLE:

**CREATE TABLE employees(employee\_id NUMBER(6),last\_name VARCHAR2(25),job\_id VARCHAR2(10),salary NUMBER(8, 2),department\_id NUMBER(4),hire\_date DATE,manager\_id NUMBER(6),commission NUMBER(8, 2));**



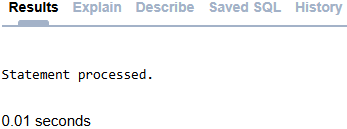
**DESC employees;**



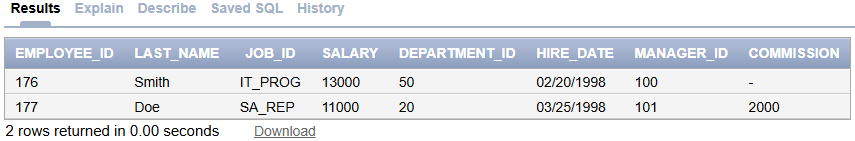
INSERTING FIRST 2 ROWS:

**EXECUTE IMMEDIATE 'INSERT INTO employees (employee\_id, last\_name, job\_id, salary, department\_id, hire\_date, manager\_id,**

**commission)VALUES (176, ''Smith'', ''IT\_PROG'', 13000, 50, TO\_DATE(''20-FEB-1998'', ''DD-MON-YYYY''), 100, NULL)';**



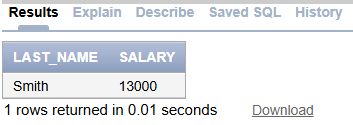
**SELECT \* FROM employees;**



QUESTIONS:

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

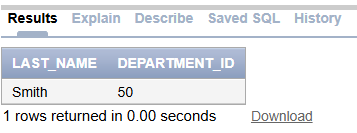
**SELECT last\_name, salary FROM employees WHERE salary > 12000;**



2. 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;**

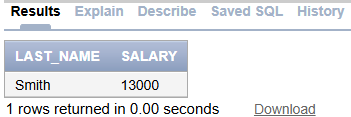


3. Create a query to display the last name and salary of employees whose salary is not in the

range of 5000 and 12000. (hints: not between )

PROGRAM:

**SELECT last\_name, salary FROM employees WHERE salary NOT BETWEEN 5000 AND 12000;**



4. 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)

PROGRAM:

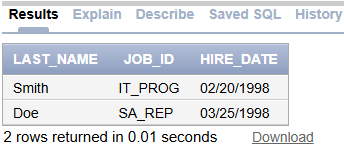
**SELECT last\_name, job\_id, hire\_date FROM employees WHERE hire\_date**

**BETWEEN**

**TO\_DATE('20-FEB-1998', 'DD-MON-YYYY')**

**AND**

**TO\_DATE('01-MAY-1998', 'DD-MON-YYYY') ORDER BY hire\_date ASC;**



5. Display the last name and department number of all employees in departments 20 and 50

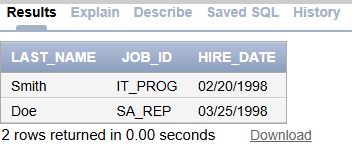
in alphabetical order by name.(hints: in, orderby)

PROGRAM:

**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;**



6. 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)

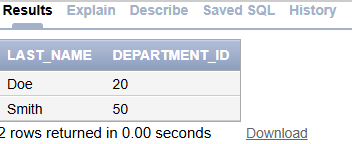
PROGRAM:

**SELECT last\_name, department\_id**

**FROM employees**

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

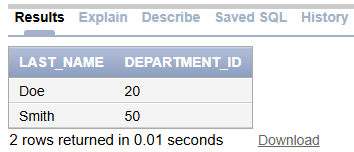
**ORDER BY last\_name ASC;**



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

**SELECT last\_name, department\_id FROM employees WHERE department\_id IN (20, 50)**

**ORDER BY last\_name ASC;**



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

null)

PROGRAM:

**SELECT last\_name, job\_id FROM employees WHERE manager\_id IS NULL;**

9. 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 FROM employees WHERE commission IS NOT NULL**

**ORDER BY salary DESC, commission DESC;**

10. 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%';**

11. 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%';**

12. 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);**