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Experiment 6
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## RESTRICTING AND SORTING DATA

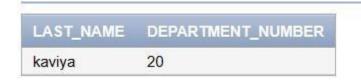
1. Create a query to display the last name and salary of employees earning more than 12000.

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

LAST_NAME	SALARY
Smith	13000
kaviya	13000
moni	13000

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 )

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

LAST_NAME	SALARY
Smith	13000
Williams	4000
Jones	2500
kaviya	13000
moni	13000

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)

SELECT last\_name, job\_id, hire\_date FROM employees WHERE hire\_date BETWEEN '1998-02-20' AND '1998-05-01' ORDER BY hire\_date ASC;

LAST_NAME	JOB_ID	HIRE_DATE
Brown	Analyst	04/08/0020
Johnson	Stock Clerk	05/05/0022
Williams	Manager	01/07/0023
Smith	Sales Representative	03/01/0024

5. 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;

LAST_NAME	DEPARTMENT_NUMBER
Johnson	50
Jones	20
Smith	20
kaviya	20

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)

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;

EMPLOYEE	MONTHLY_SALARY
Johnson	8000

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

SELECT last\_name, hire\_date FROM employ

WHERE hire\_date BETWEEN '01-01-1998' AND '12-31-1998';

LAST_NAME	HIRE_DATE
moni	05/01/1998
dinesh	02/20/1998

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

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

LAST_NAME	JOB_ID	
Smith	Sales Representative	
kaviya	Sales Representative	
moni	Sales Representative	

3 rows returned in 0.00 seconds Dow

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\_pct FROM employees WHERE commission\_pct IS NOT NULL ORDER BY salary DESC, commission\_pct DESC;

LAST_NAME	SALARY	COMMISSION
Smith	13000	200
kaviya	13000	200
moni	13000	200
Brown	6000	100
Jones	2500	150

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

SELECT last\_name, job\_id, salary
FROM employees
WHERE job\_id IN ('Sales Representative', 'Stock Clerk')
AND salary NOT IN (2500, 3500, 7000);

LAST_NAME	JOB_ID	SALARY
Smith	Sales Representative	13000
Johnson	Stock Clerk	8000
kaviya	Sales Representative	13000
moni	Sales Representative	13000
dinesh	Stock Clerk	8000