CL2005- Database Systems Lab

Lab Task 3

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FAST School of Computing

Lab Task 3 Exercise SQL-I

A. **Create** a table called **EMP, DEPT, SALGRADE** having the following structure:

EMP

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839	KING	PRESIDENT		17-NOV-81	5000		10
7698	BLAKE	MANAGER	7839	01-MAY-81	2850		30
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10
7566	JONES	MANAGER	7839	02-APR-81	2975		20
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7900	JAMES	CLERK	7698	03-DEC-81	950		30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7902	FORD	ANALYST	7566	03-DEC-81	3000		20
7369	SMITH	CLERK	7902	17-DEC-80	800		20
7788	SCOTT	ANALYST	7566	09-DEC-82	3000		20
7876	ADAMS	CLERK	7788	12-JAN-83	1100		20
7934	MILLER	CLERK	7782	23-JAN-82	1300		10

DEPT

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

SALGRADE

GRADE	LOSAL	HISAL
1	700	1200
2	1201	1400
3	1401	2000
4	2001	3000
5	3001	9999

Note: Create tables and database must through query (not by clicking), take screenshots and paste it all on

1. Display the complete data of Employees, Departments and Sal-Grade tables.

2. Display the data of Employees whose name is James.

3. Display the data of Employees whose name has 'a' on its second position like "James, Hassan".

4. Display the data of Employees whose JOB ends with 'MAN'.

5. Display the data of Employees whose name starts with 'A'.

6. Display the list of employees where department id is not equal to 30. (Using <> operator).

7. Select the list of employees that work in department 10 or 30.

8. Select the data of employees where commission is known and salary lies in the range 12000 and 47000.

9. Select the data of employees where commission is unknown.

10. Display the list of employees whose employee id lies in 7566 and 7900 and salary is greater than 3700.

11. Write a query which will retrieve the values of job of all employees getting job in employee table without any repeats job title.

12. Write a SQL query to display the department ID followed by department name that is holding the location Chicago.

13. Write a SQL query to give the higher grade salary than 1400.

14. Write a SQL query to show all the department number data of MGR 7698 except the job title Clerk.

15. Write a SQL query to display all employee names where employee salary is less than 1500 or exclude those employee names whose hiring date is on or greater than 2nd April, 81 and employee id is below 7566. (DATE - format YYYY-MM-DD)

16. Write a SQL statement to display all the employee names which are either belongs to the unknown community or not had a salary above 1500.

17. Display the names of Employees who have hiring date 09-June-81.

GOOD LUCK!