Lab04 Solution:

Query no 01:

1. For each department, retrieve the department no, the number of employees in the department and their average salary.

select department\_ID,count(\*),avg(salary)

from employees

group by department\_id;

Query02:

1. For each department that has more than five employees, retrieve the department number and the number of its employees who are making more than $20,000.

select department\_ID,count(\*)

from employees

where salary>2000 and department\_ID in

(select department\_ID from employees

group by department\_ID

having count(\*)>5)

group by department\_ID;

Query03:

1. Write a Query to display the number of employees with the same job.

SELECT job\_ID,COUNT(\*) As "No of employees"

FROM employees

GROUP BY job\_ID;

Query04:

1. Display the manager number and the salary of the lowest paid employee of that manager. Exclude anyone whose manager is not known. Exclude any groups where the minimum salary is 2000. Sort the output is descending order of the salary.

select manager\_ID,min(salary)

from employees

where manager\_ID is not null

group by manager\_ID

having min(salary)!=2000

order by min(salary) desc;

Query no 5:

1. Write a Query to select Firstname and Hiredate of Employees Hired right after the joining of the ID no 110.

select first\_Name,Hire\_Date

from employees

where Hire\_Date>(select Hire\_Date from employees where employee\_ID=110)

Query No 6:

1. Write a SQL query to select those departments where maximum salary is less then 5000.

select \* from employees

where department\_ID in

(select department\_ID from employees

group by department\_ID

having max(salary)<5000)

Query No 7:

select employee\_id,

first\_name,

last\_name,job\_id

from employees

where salary < ANY (select salary FROM employees

where job\_id = 'IT\_PROG');

Query No 8:

Select \*

from employees

where employee\_id NOT IN (select employee\_id

FROM job\_history);

Query No 9:

INSERT INTO EMPLOYEE\_BK5

SELECT \* FROM EMPLOYEES

WHERE employee\_ID IN (SELECT employee\_ID

FROM job\_History WHERE start\_Date='13-JAN-01');

Query No 10:

Update employees

set salary= salary+(0.2\*salary)

WHERE job\_ID IN (SELECT job\_ID

FROM jobs WHERE min\_salary=6000);

Query No 11:

Delete from employee\_BK

WHERE manager\_ID IN (SELECT Manager\_ID

FROM departments WHERE department\_name='Finance');