

## 2CS402 Database Management System

### Practical 8

Rollno:19BCE023	Name: Mihir Bhanderi
Division: A	Batch: A1

#### 1)Write a query to determine who earns more than Mr. Lex.

SQL> select first\_name , employee\_id from employees where salary > (select salary from employees where first\_name like '%Lex%');

FIRST_NAME	EMPLOYEE_ID
Steven	100

#### 2)Write a query find the job with the highest average salary.

SQL> select job\_id from (select job\_id, avg(salary) as salary from employees group by job\_id) where salary = (select max(salary) from (select job\_id, avg(salary) as salary from employees group by job\_id));

JOB_ID
PRESIDENT

#### 3)Write a query to print employee id along with their manager id.

SQL> select employee\_id, manager\_id from employees;

EMPLOYEE_ID	MANAGER_ID
100	103
101	100
102	100
103	102
104	103
105	103
106	103
114	100
119	114
206	205

10 rows selected.

**4)Write a query to print employees name who earns more than that of their managers.**

SQL> select first\_name, salary from employees e where e.salary > (select salary from employees m where m.employee\_id = e.manager\_id);

FIRST_NAME	SALARY
Steven	24000

**5)Write a query to print the name of employee who earns more than that of their department's average.**

SQL> select first\_name, salary from employees e where e.salary > (select avg(salary) from employees m where m.department\_id = e.department\_id);

FIRST_NAME	SALARY
Steven	24000
Alexander	9000
Den	11000

**6)Write a query to print the name and id of those department whose total no employee is greater than at least one of the departments.**

SQL> select dname, dept\_no, count(employee\_id) from department d inner join employees e on d.dept\_no = e.department\_id group by dept\_no, dname having count(employee\_id) > 1;

DNAME	DEPT_NO	COUNT(EMPLOYEE_ID)
Accounting	30	2
Sales	90	3
Research	60	4

**7)Write a query to print the name of employee who draw second lowest salary in the company.**

SQL> select first\_name, salary from employees where salary = (select min(salary) from employees where salary > (select min(salary) from employees ));

FIRST_NAME	SALARY
David	4800
Valli	4800

**8)Write a query to print the name of employee who draw second lowest salary in their respective departments.**

SQL> select first\_name, salary, department\_id from employees e1 where salary = (select min(salary) from employees e2 where salary > (select min(salary) from employees ) and e1.department\_id = e2.department\_id);

FIRST_NAME	SALARY	DEPARTMENT_ID
Neena	17000	90
Lex	17000	90
David	4800	60
Valli	4800	60
Den	11000	30
William	8300	110

**What should be the output of the following query:**

**9)select employee\_id from employees where salary < all (select salary from employees where department\_id=30);**

Ans:-

output will be "no rows selected" as department\_id 30 contains lowest salary employee of company

**10)select employee\_id from employees where salary < (select min(salary) from employees where department\_id=60);**

it will output employee\_id of those employee who get less salary than minimum salary of department no 60

EMPLOYEE\_ID

-----

119

**11)select last\_name from employees where department\_id in(select department\_id from departments where department\_name='Sales');**

Ans :-

SQL> select a.last\_name from employees a where a.department\_id IN(select b.dept\_no from department b where b.dname='SALES');

LAST\_NAME

-----

De Haan

Kochhar  
King