* select EMPLOYEE\_ID,LAST\_NAME, SALARY\*.4 medical, SALARY, SALARY\*.6 houserent,

commission\_pct, salary+SALARY\*.6+SALARY\*.4+salary\*commission\_pct total

from employees;

* select last\_name,salary,12\*salary+100

from employees;

* select last\_name,salary,12\*(salary+100)

from employees;

* select last\_name ||' is a '||job\_id As "Employee Details"

from employees;

* select department\_name|| q'[, it's assigned Manager Id: ]' || manager\_id

As "Department and Manager"

from departments;

* select distinct department\_id, job\_id

from employees;

* select \*from employees

where department\_id=90;

* select \*from employees

where department\_id=90 and (salary=17000 or department\_id=80);

* select last\_name, job\_id, department\_id

from employees

where last\_name='Whalen';

* select last\_name, salary

from employees

where salary<=3000;

* select employee\_id, last\_name, salary, manager\_id

from employees

where manager\_id in (100,101,201);

* select last\_name, job\_id, department\_id,hire\_date, salary\*12 annsal

from employees

order by annsal ;

* select employee\_id, last\_name, job\_id, && column\_name

from employees

order by & column\_name;

* select upper(last\_name), lower(first\_name)

from employees;

* select first\_name, last\_name, concat(first\_name, last\_name),

substr(last\_name,2,2), instr(first\_name,'a')

from employees;

* select employee\_id, concat(first\_name, last\_name) NAME,

length(last\_name), instr(first\_name,'a') "contains'a'?"

from employees;

where substr(last\_name,-1,1)='n';

* select last\_name, LPAD(salary,30,'\*'), RPAD(salary,30,'\*')

from employees;

* select last\_name, trim('n' from last\_name), replace(last\_name, 'a', 'D')

from employees;

* select initcap('sql course') from dual;
* select round(45.926,2), trunc(45.926,2), round(45.926,-1), trunc(45.926,-1)

from dual;

* select employee\_id, mod((sysdate-HIRE\_DATE),365) year, mod((sysdate

HIRE\_DATE),365),30 month, mod(((sysdate-HIRE\_DATE),365),30),24 day

from employees;

* select employee\_id, (sysdate-HIRE\_DATE)/365 year, mod((sysdate-HIRE\_DATE),365) day

from employees;

* select employee\_id, (sysdate-HIRE\_DATE)/365 year, mod((sysdate-HIRE\_DATE),365)/30 month, mod(mod((sysdate-HIRE\_DATE),365),30) day

from employees;

* select employee\_id, hire\_date, months\_between(sysdate,hire\_date) tenure, add\_months(hire\_date,6) review, next\_day (hire\_date, 'FRIDAY'), last\_day (hire\_date)

from employees;

* select employee\_id, hire\_date, round(hire\_date, 'MONTH'), round(hire\_date, 'YEAR'), trunc(hire\_date,'MONTH')

from employees;

* select employee\_id, to\_char(hire\_date,'dy/MM/year') month\_hired

from employees;

* select employee\_id, to\_char(hire\_date,'ddspts/MM/year') month\_hired

from employees;

* select last\_name, to\_char(hire\_date, 'fmDD Month YYYY')

AS HIREDATE

from employees;

* select last\_name, to\_char(hire\_date, 'fmDdspth "of" Month YYYY fmHH:MI:SS PM')

HIREDATE

from employees;

* select employee\_id, salary, to\_char(salary,'0,00,000.00'), to\_char(salary,'9,99,999.99')

from employees;

* select employee\_id, salary, to\_char(salary,'$0,00,000.00'), to\_char(salary,'$9,99,999.99')

from employees;

* select employee\_id, salary,last\_name, hire\_date

from employees

where hire\_date=to\_date('may 24,1999','fmMonth DD, YYYY');

* select last\_name, salary, NVL(commission\_pct,0), (salary\*12)+(salary\*12\*NVL(commission\_pct,0)) AN\_SAL

from employees;

* select last\_name, salary, commission\_pct,

NVL2 (commission\_pct, 'SAL+COMM', 'SAL') income

from employees

Where department\_id IN (50,80);

* select last\_name, salary, commission\_pct, NVL2(commission\_pct, salary+salary\*commission\_pct, salary)

from employees;

* select first\_name, length(first\_name) "expr1",

last\_name,length(last\_name) "expr2", nullif(length(first\_name),length(last\_name)) result

from employees;

* select last\_name, manager\_id, commission\_pct,coalesce(manager\_id,commission\_pct,-1) comm

from employees

order by commission\_pct;

select last\_name, job\_id, salary,

CASE job\_id WHEN 'it\_prog' THEN 1.10\*salary

WHEN 'st\_cleark' THEN 1.15\*salary

WHEN 'sa\_rep' THEN 1.20\*salary

ELSE salary END "REVISED\_SALARY"

FROM employees;

* select last\_name, job\_id, salary,

(CASE when salary<5000 THEN 'low'

when salary<10000 THEN 'medium'

when salary<20000 THEN 'high'

else 'excellent'

END) qualified\_salary

FROM employees;

* select

COUNT(\*)

FROM employees

WHERE DEPARTMENT\_ID = 50;

* SELECT COUNT(\*), avg(salary), max(salary), min(salary), sum(salary)

FROM employees

WHERE JOB\_ID LIKE '%REP%'

* SELECT COUNT(COMMISSION\_PCT)

FROM employees

WHERE DEPARTMENT\_ID=80;

* SELECT COUNT(DISTINCT department\_id)

FROM employees;

* SELECT AVG(NVL(commission\_pct,0))

FROM employees;

* SELECT department\_id dept\_id, job\_id, sum(salary)

from employees

Group by department\_id, job\_id;

* SELECT department\_id dept\_id, job\_id, sum(salary)

from employees

where salary<10000

Group by department\_id, job\_id

order by department\_id, job\_id;

* select last\_name, salary, department\_name

from employees e, departments;

* select last\_name, salary, department\_name

from employees e, departments d

where e.department\_id=d.department\_id;

(left outer joint)

* select last\_name, salary, department\_name

from employees e, departments d

where e.department\_id(+)=d.department\_id;

* select last\_name, salary, department\_name

from employees e left outer join departments d

on (e.department\_id=d.department\_id);

(right outer joint)

* select last\_name, salary, department\_name

from employees e, departments d

where e.department\_id=d.department\_id(+);

* select department\_id, department\_name, location\_id, city

from departments NATURAL JOIN locations;

* select department\_id, department\_name, location\_id, city

from departments NATURAL JOIN locations

where department\_id IN (20,50);

* select last\_name, salary, department\_name

from employees NATURAL JOIN departments;

* select e.employee\_id, e.last\_name, d.location\_id, department\_id

from employees e JOIN departments d

USING (department\_id);

* select e.employee\_id, e.last\_name, e.department\_id, d.department\_id, d.location\_id

from employees e JOIN departments d

on (e.department\_id=d.department\_id);

* select e.last\_name emp, m.last\_name mgr

from employees e JOIN employees m

on (e.manager\_id=m.employee\_id);

* select e.manager\_id, e.employee\_id, e.last\_name, e.department\_id, d.department\_id, d.location\_id

from employees e JOIN departments d

on (e.department\_id=d.department\_id)

and e.manager\_id=149;

* select employee\_id, last\_name, salary, job\_title

from employees e join jobs j

on e.salary between j.min\_salary and j.max\_salary;

* select employee\_id, last\_name, salary, job\_title

from employees e join jobs j

on e.salary between j.min\_salary and j.max\_salary

order by employee\_id;

* select last\_name,salary

from employees

where last\_name='Abel';

* select last\_name, salary

from employees

where salary=11000;

(sub-query)

* select last\_name,salary

from employees

where salary=(select salary from employees where last\_name='Abel');

* select last\_name,salary

from employees

where salary>(select salary from employees where last\_name='Abel');

* select last\_name,salary

from employees

where salary>(select avg(salary) from employees);

* select department\_id, last\_name, salary

from employees

where salary in (select min(salary) from employees group by department\_id);

* select department\_id, last\_name, salary

from employees

where salary in (select min(salary) from employees where department\_id=80);

* select last\_name, job\_id

from employees

where job\_id=(select job\_id from employees where employee\_id=141);

* select last\_name, job\_id, salary

from employees

where job\_id=(select job\_id from employees where employee\_id=141)

and salary>(select salary from employees where employee\_id=143);

* select department\_id, min(salary)

from employees

group by department\_id

having min(salary)>(select min(salary) from employees where department\_id=50);

* select job\_id, avg(salary)

from employees

group by job\_id

having avg(salary)=(select min(avg(salary)) from employees group by job\_id);

* select employee\_id, last\_name, job\_id,salary

from employees

where salary<any(select salary from employees where job\_id='IT\_PROG')

and job\_id<>'IT\_PROG';

* select emp.last\_name

from employees emp

where emp.employee\_id IN

(select mgr.manager\_id

from employees mgr);

* select last\_name, manager\_id

from employees

where employee\_id NOT IN

(select manager\_id

from employees

where manager\_id IS NOT NULL);

* create table result(

exam\_no number(10) primary key, roll\_no number(10), name varchar2(15), subject varchar2(10), mark number(3), exam\_date date

);

* insert into result(exam\_no, roll\_no, name, subject, mark, exam\_date)

values(1,123,'REZA','Database',65,'31-Dec-15')

* insert into result(exam\_no, roll\_no, mark)

values(7,152,87);

* insert into result

values(14,11,null,null,66,sysdate);

* commit;
* update result set name='Fakhrul'
* rollback
* update result set name='Fakhrul'

where exam\_no=14;

* delete from result

where exam\_no=7;

* update employees

set salary=(select salary

from employees

where employee\_id=205),

last\_name=(select last\_name

from employees

where employee\_id=205)

where employee\_id=114;

* update employee27

set salary=(select salary

from employees

where employee\_id=205),

job\_id=(select job\_id

from employees

where employee\_id=205)

where employee\_id=114;

* insert into

(select employee\_id, last\_name, email, hire\_date, job\_id, salary, department\_id

from employee27 where department\_id=50)

values(99999, 'taylor', 'DTAYLOR', to\_date('07-JUN-99', 'DD-MON-RR'), 'ST\_CLEAR', 5000, 50);

* save point A;
* insert into employee27(employee\_id, last\_name, job\_id, salary, email, hire\_date)

values(102,'Sana','BC\_ACCOUNT', 6000,'abcd',sysdate);