select distinct job from emp;

where deptno in (10, 30);

where mgr is null;

where hiredate like ‘%\_’;

initcap()

length(), lengthb()

concat(), ||

substr(), instr()

mod(), ceil(), floor(), power()

add\_months(), last\_day(), next\_day()

months\_between()

to\_char(sal\*12, ‘$9,999’), to\_date()

where to\_char(hiredate, ‘mm’) between

where extract(year from hiredate)

replace(ename, substr(ename, -1, 1), ‘\*’)

lpad(ename, 10, ‘\*’), rtrim(ename, ‘S’)

nvl2()

decode(job, ‘CLERK’, sal\*0.05, sal\*0.03)

case when then else end

^, $, ., \*, [], [^ ]

[[:alpha, digit, space:]]

regexp\_like(text, ‘[A-Z]{3}’)

regexp\_replace(127.0.0.1’, ‘\.’, ‘/’)

regexp\_replace(‘aaa bb bb’, ‘( ){2}’, ‘’)

regexp\_count()

grouping sets(), cube(), rollup()

select job, max(sal), count(\*) from emp

group by job

having count(job) >= 3

select job, listagg(ename, ‘, ‘)

within group(order by hiredate)

group by job

union, union all, intersect, minus

from (select deptno, job from emp)

pivot (count(\*) for job in (‘SALESMAN’, ‘CLERK’)

rank() over(order by sal desc)

dense\_rank() over(order by sal desc)

row\_number() over(order by sal desc()

sum(sal) over(partition by deptno)

lag(), lead()

ratio\_to\_report(sal) over(partition by deptno)

select rank(‘2000’) within group (order by sal)

select rank(‘SMITH’) within group (order by ename)

ntile(4) over(order by sal)

max(ename) keep(dense\_rank first order by sal desc)

max(ename) keep(dense\_rank first order by sal desc) over(partition by deptno)

first\_value(ename) over(order by sal desc)

first\_value(ename) over(partition by deptno order by sal desc)

select ename, dname

from emp e inner join dept d

on e.deptno = d.deptno;

select e.ename, m.ename, e.job

from emp e join emp m on e.mgr = m.empno

where m.ename = ‘KING’;

select ename, dname

from emp e right outer join dept d

on e.deptno = d.deptno;

select e.ename, m.ename, e.job

from emp e, emp m

where e.mgr = m.empno(+) and m.ename = ‘KING’;

select distinct job from emp;

select ename, substr(ename, 1, 3), substr(hiredate, 4, 2) year from emp;

select regexp\_replace(ename, ‘[A-Z]$’, ‘\*’), regexp\_replace(hiredate, ‘/’, ‘-‘) from emp;

select job, deptno, round(avg(sal)) from emp

group by grouping sets(job, deptno, ());

select job 직급, listagg(ename, ‘, ‘) within group (order by hiredate) 사원명 from emp

group by job;

select deptno, extract(year from hiredate) 년도, count(\*) 사원수 from emp

group by deptno, extract(year from hiredate)

order by deptno;

select \*

from (select deptno, to\_char(hiredate, ‘yyyy’) 연도 form emp)

pivot (count(\*) for 연도 in (‘1980’, ‘1981’, ‘1982’, ‘1987’))

order by deptno;

select ename, sal, hiredate, round(avg(sal) over(partition by deptno)) 소속부서평균봉급,

round(avg(sal) over (order by hiredate asc) 입사순서,

ltrim(round(ratio\_to\_report(sal) over(), 3)) 봉급비율,

lag(ename, 1) over (order by hiredate) 선임사원명 from emp;

select ename, sal, deptno, max(sal) over() 최대봉급, first\_value(ename) over (order by sal desc) 최대봉급수급자,

last\_value(job) over(order by sal rows between current row and unbounded following) 최대봉급수급자의직급

max(sal) over(partition by deptno) 부서내최대봉급,

first\_value(ename) over(partition by deptno order by sal desc) 부서내최대봉급수급자 from emp

order by deptno;