

WORKSHEET-1

1. select empno,ename,sal from emp;
2. select empno,ename,job from emp where job='MANAGER';
3. select empno,ename,job from emp where job='CLERK' and deptno=30;
4. select * from emp where mgr=7698;
5. select distinct(job) from emp where deptno=20;
6. select ename,sal from emp where sal between 2000 and 3000;
7. select * from emp where deptno in(10,20);
8. select ename from emp where ename like 'S%';
9. select ename from emp where ename like '%A%';
10. select ename,to_char(hiredate,'MON') mon from emp where
to_char(hiredate,'MON')='JAN';
11. select ename,to_char(hiredate,'YYYY') from emp where
to_char(hiredate,'YYYY')=1981;
12. select distinct(job) from emp;
13. select ename from emp order by ename;
14. select ename,deptno from emp order by deptno;
15. select ename,job from emp order by job;
16. select empno,ename,sal,(sal*0.15) DA,(sal*0.1) PF from emp;
17. select ename,round(months_between(sysdate,hiredate)/12) exp from emp
where round(months_between(sysdate,hiredate)/12)>24;
18. select ename from emp where comm is null;
19. select ename,mgr from emp where mgr is null;
20. select max(sal),min(sal),avg(sal) from emp;
21. select count(distinct(job)) from emp;
22. select count(*),avg(sal) from emp where to_char(hiredate,'YY') in (81,82,83);
23. select count(*),max(sal),min(sal),avg(sal) from emp where job
in('SALESMAN','CLERK');
24. select count(*),avg(sal) from emp where deptno=30;
25. select distinct(job) from emp where deptno=20;
26. select to_char(sysdate,'dd-mon-yy hh-mi-ss') from dual;
27. a)select to_char(hiredate,'ddth mon year') from emp where ename
like 'SMITH';
- 27.b) select to_char(hiredate,'ddspth mon year') from emp where ename
like 'SMITH';
- 27.c) select to_char(hiredate,'day') from emp where ename
like 'SMITH';
- 27.d) select to_char(hiredate,'dd/mm/yy') from emp where ename
like 'SMITH';
28. select ename,round(months_between(sysdate,hiredate)/12) exp
from emp;

29. select ename,to_char(hiredate,'day mon') from emp where
to_char(hiredate,'DAY MON') in('WEDNESDAY DEC','THURSDAY DEC');
30. select to_char(sysdate,'ddspth month year') from dual;

WORKSHEET-II

1. select ename,hiredate,round(months_between(sysdate,hiredate)/12) exp
from emp order by round(months_between(sysdate,hiredate)/12);
2. select ename,job,to_char(hiredate,'ddspth month year') from emp
where job='MANAGER' order by ename;
- 3.. select ename,round(months_between(sysdate,hiredate)/12) exp from emp
order by ename desc;
4. select ename,round(months_between(sysdate,hiredate)/12) exp from emp
where round(months_between(sysdate,hiredate)/12)>=2 order by
round(months_between(sysdate,hiredate)/12);
5. select ename,length(ename) from emp order by length(ename);
6. select ename,upper(ename),lower(ename),initcap(ename) from emp;
7. select 'sri'|| ename || 'garu' from emp;
8. select ename,to_char(hiredate,'month') from emp;
9. select ename,to_char(hiredate,'year') from emp;
10. select ename||'-----'||job||'-----'||sal from emp;
11. select ename,instr(ename,'I') from emp;
12. select ename,substr(ename,2,length(ename)-2) from emp;
13. select ename,to_char(hiredate,'MON YY') from emp
where to_date(hiredate) between to_date('01-APR-81') and
to_date('30-APR-82');
14. select deptno,min(sal),max(sal),avg(sal) from emp where
deptno in(10,30) group by deptno;
15. select job from emp where deptno=30 minus select job from emp where deptno=20;
16. select deptno,count(*) from emp group by deptno;
- 17 select to_char(hiredate,'YY'),count(*) from emp group by to_char(hiredate,'YY').;
18. select job,count(*) from emp group by job;
19. select deptno,min(sal),max(sal),avg(sal) from emp group by deptno;
20. select job,min(sal),max(sal),avg(sal) from emp group by job;
21. select job,min(sal),max(sal) from emp where job in('MANAGER','CLERK')
group by job;
22. select deptno,min(sal),max(sal),count(*) from emp group by deptno
having count(*)>=2;
23. select deptno,job,count(*) from emp group by deptno,job;
24. select mgr,count(*) from emp where mgr is not null
group by mgr order by count(*);
25. select mgr,count(*) from emp where mgr is not null group by mgr having
count(*)>=3;

26. select deptno,count(*) from emp group by deptno having count(*)>=3;
27. select job,count(*) from emp group by job having count(*)>=3;
28. select to_char(hiredate,'MONTH'),count(*) from emp group by
to_char(hiredate,'MONTH') having count(*)>=3;
29. select e1.hiredate,count(*) from emp e1 where e1.hiredate=e1.hiredate group by
e1.hiredate having count(*)>1 (OR) select count(*), hiredate from emp group by
hiredate having count(*)>1; (OR)
select count(*),to_char(hiredate,'dd-mm-yyyy') as joindate from emp group by
to_char(hiredate,'dd-mm-yyyy') having count(*)>1
30. select deptno,round(months_between(sysdate,hiredate)/12) exp,count(*) from emp
where round(months_between(sysdate,hiredate)/12)>=23 group by deptno,
round(months_between(sysdate,hiredate)/12) having count(*)>=3;

WORK SHEET-III

1. select ename,dname from emp,dept where emp.deptno=dept.deptno;
2. select ename,sal,grade from emp,salgrade where sal between losal and hisal;
3. select e1.ename,e2.ename from emp e1,emp e2 where e1.mgr=e2.empno;
4. select ename,dname,grade from emp,dept,salgrade where emp.deptno=dept.deptno and
sal between losal and hisal;
5. select e1.ename,e2.ename,dname from emp e1,emp e2,dept where e1.deptno=dept.deptno
and e1.mgr=e2.empno
6. select ename,job,deptno,grade from emp,salgrade where job='MANAGER' AND sal
between losal and hisal order by grade
7. select ename,comm,grade from emp,salgrade where comm is not null and sal between
losal and hisal
8. select e1.ename,e1.job,e2.ename from emp e1,emp e2 where e1.job='MANAGER' and
e1.mgr=e2.empno
9. select e1.ename,e1.deptno,e2.ename,e2.deptno from emp e1,emp e2 where
e1.mgr=e2.empno and e1.deptno=e2.deptno
10. select e1.ename,e1.deptno,e2.ename,e2.deptno from emp e1,emp e2 where
e1.mgr=e2.empno and e1.deptno<>e2.deptno
11. select ename,dname from emp,dept where emp.deptno=dept.deptno and
substr(ename,1,1)=substr(dname,1,1)
12. select ename,grade,substr(to_char(hiredate,'yyyy'),4,1) from emp,salgrade where
to_char(hiredate,'month')=to_char(sysdate,'month') and sal between losal and hisal and
grade=substr(to_char(hiredate,'yyyy'),4,1)
13. select ename,mod(empno,2),mod(mgr,2),mod(grade,2) from emp,salgrade where sal
between losal and hisal and mod(empno,2)=mod(mgr,2) and mod(mgr,2)=mod(grade,2)
14. select ename,grade,substr(to_char(hiredate,'yyyy'),4,1), substr(deptno,1,1) from
emp,salgrade where sal between losal and hisal and
Grade=substr(to_char(hiredate,'yyyy'),4,1) and
substr(to_char(hiredate,'yyyy'),4,1)=substr(deptno,1,1)

15. select ename,grade,substr(deptno,1,1) from emp,salgrade where sal between losal and hisal and grade=substr(deptno,1,1)
16. select ename,dname,loc from emp,dept where emp.deptno=dept.deptno and (length(ename)=length(dname) or length(dname)=length(loc) or length(loc)=length(ename))
17. select ename,to_char(hiredate,'mm'),grade from emp,salgrade where sal between losal and hisal and grade=to_char(hiredate,'mm')
18. select e1.ename,e1.job,e2.ename,e2.job from emp e1,emp e2 where e1.mgr=e2.empno and e1.job='CLERK' and e2.job='ANALYST'
19. select e1.ename,s1.grade,e2.ename,s2.grade from emp e1,emp e2, salgrade s1,salgrade s2 where e1.mgr=e2.empno and e1.sal between s1.losal and s1.hisal and e2.sal between s2.losal and s2.hisal and s1.grade=s2.grade
20. select e1.ename,e1.hiredate,e2.ename,e2.hiredate from emp e1,emp e2 where e1.mgr=e2.empno and e1.hiredate<e2.hiredate