

### WORKSHEET-3

1.List employee names and dept names with which they are associated.

```
SQL> select ename,dname from emp,dept where emp.deptno=dept.deptno;
```

ENAME	DNAME
CLARK	ACCOUNTING
MILLER	ACCOUNTING
KING	ACCOUNTING
FORD	RESEARCH
SCOTT	RESEARCH
JONES	RESEARCH
SMITH	RESEARCH
ADAMS	RESEARCH
WARD	SALES
MARTIN	SALES
TURNER	SALES
JAMES	SALES
ALLEN	SALES
BLAKE	SALES

2.List employee names, salary and their grade.

```
SQL> select ename,sal,grade from emp,salgrade where sal between losal and hisal;
```

ENAME	SAL	GRADE
SMITH	800	1
JAMES	950	1
ADAMS	1100	1
MARTIN	1250	2
WARD	1250	2
MILLER	1300	2
TURNER	1500	3
ALLEN	1600	3
CLARK	2450	4
BLAKE	2850	4
JONES	2975	4
FORD	3000	4
SCOTT	3000	4
KING	5000	5

3.List employee name, dept name along with grade.

```
SQL> select ename,dname,grade from emp,dept,salgrade where emp.deptno=dept.deptno  
and
```

```
2 sal between losal and hisal;
```

ENAME	DNAME	GRADE
KING	ACCOUNTING	5
SCOTT	RESEARCH	4
FORD	RESEARCH	4
JONES	RESEARCH	4
BLAKE	SALES	4
CLARK	ACCOUNTING	4
ALLEN	SALES	3
TURNER	SALES	3
MILLER	ACCOUNTING	2
WARD	SALES	2
MARTIN	SALES	2
ADAMS	RESEARCH	1
JAMES	SALES	1
SMITH	RESEARCH	1

4. List employee names and their manager names.

```
SQL> select e1.ename as employee,e2.ename as managername from emp e1,emp e2 where
e1.mgr=e2.empno;
```

EMPLOYEE	MANAGERNAME
FORD	JONES
SCOTT	JONES
ALLEN	BLAKE
JAMES	BLAKE
TURNER	BLAKE
MARTIN	BLAKE
WARD	BLAKE
MILLER	CLARK
ADAMS	SCOTT
BLAKE	KING
CLARK	KING
JONES	KING
SMITH	FORD

5. List dept name and Manager name.

```
SQL> select e1.ename,e2.ename,dname from emp e1,emp e2,dept where
e1.deptno=dept.deptno
2 and e1.mgr=e2.empno;
```

ENAME	ENAME	DNAME
BLAKE	KING	SALES
JONES	KING	RESEARCH
CLARK	KING	ACCOUNTING
ALLEN	BLAKE	SALES

WARD	BLAKE	SALES
MARTIN	BLAKE	SALES
TURNER	BLAKE	SALES
JAMES	BLAKE	SALES
MILLER	CLARK	ACCOUNTING
SCOTT	JONES	RESEARCH
FORD	JONES	RESEARCH
ADAMS	SCOTT	RESEARCH
SMITH	FORD	RESEARCH

6. List managers of various depts., Along with grade sorted on grade.

```
SQL> select ename,job,deptno,grade from emp,salgrade where job='MANAGER' AND sal
2 between losal and hisal order by grade;
```

ENAME	JOB	DEPTNO	GRADE
JONES	MANAGER	20	4
CLARK	MANAGER	10	4
BLAKE	MANAGER	30	4

7. List employees having commission along with grade.

```
SQL> select ename,comm,grade from emp,salgrade where comm is not null and sal
between
2 losal and hisal;
```

ENAME	COMM	GRADE
ALLEN	300	3
TURNER	0	3
MARTIN	1400	2
WARD	500	2

8. List employee's names with job manager along their manager names to whom they have to report.

```
SQL> select e1.ename,e1.job,e2.ename from emp e1,emp e2 where e1.job='MANAGER' and
2 e1.mgr=e2.empno;
```

ENAME	JOB	ENAME
BLAKE	MANAGER	KING
JONES	MANAGER	KING
CLARK	MANAGER	KING

9. List names of employees who are working in the same dept of their manager.

```
SQL> select e1.ename,e1.deptno,e2.ename,e2.deptno from emp e1,emp e2 where
```

2 e1.mgr=e2.empno and e1.deptno=e2.deptno;

ENAME	DEPTNO	ENAME	DEPTNO
CLARK	10	KING	10
JAMES	30	BLAKE	30
TURNER	30	BLAKE	30
MARTIN	30	BLAKE	30
WARD	30	BLAKE	30
ALLEN	30	BLAKE	30
MILLER	10	CLARK	10
FORD	20	JONES	20
SCOTT	20	JONES	20
ADAMS	20	SCOTT	20
SMITH	20	FORD	20

10. List names of employees who are not working in the same dept of their manager.  
 SQL> select e1.ename,e1.deptno,e2.ename,e2.deptno from emp e1,emp e2 where  
 2 e1.mgr=e2.empno and e1.deptno<>e2.deptno;

ENAME	DEPTNO	ENAME	DEPTNO
BLAKE	30	KING	10
JONES	20	KING	10

11. List names of employees having first character in their name first character in their dept name same  
 SQL> select ename,dname from emp,dept where emp.deptno=dept.deptno and  
 2 substr(ename,1,1)=substr(dname,1,1);

no rows selected

12. List employees who joined in the present month in any year and having grade and last digit in the year are same.  
 SQL> select ename,grade,substr(to\_char(hiredate,'yyyy'),4,1) from emp,salgrade  
 where  
 2 to\_char(hiredate,'month')=to\_char(sysdate,'month') and sal between losal and hisal and grade=substr(to\_char(hiredate,'yyyy'),4,1);

no rows selected

13. List names of employees whose empno, mgr and grade given the same remainder when divided by 2.  
 SQL> select ename,mod(empno,2),mod(mgr,2),mod(grade,2) from emp,salgrade where sal  
 between losal and

2 hisal and mod(empno,2)=mod(mgr,2) and mod(mgr,2)=mod(grade,2);

ENAME	MOD(EMPNO,2)	MOD(MGR,2)	MOD(GRADE,2)
SCOTT	0	0	0
FORD	0	0	0
MARTIN	0	0	0
MILLER	0	0	0

14. List the names of employees having grade and tens position in the deptno same.

SQL> select ename,grade,substr(to\_char(hiredate,'yyyy'),4,1), substr(deptno,1,1)  
from emp,salgrade where sal

2 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);

no rows selected

15. List the names of employees having grade and tens position in the deptno different.

SQL> select ename,grade,substr(deptno,1,1) from emp,salgrade where sal between losal  
and hisal and

2 grade=substr(deptno,1,1);

ENAME	GRADE	SUBS
ALLEN	3	3
TURNER	3	3

16. List employee name,deptname and dept location of those employees having any of these three same length

SQL> select ename,dname,loc from emp,dept where emp.deptno=dept.deptno and

2 (length(ename)=length(dname) or length(dname)=length(loc) or  
length(loc)=length(ename));

ENAME	DNAME	LOC
JAMES	SALES	CHICAGO
ALLEN	SALES	CHICAGO
BLAKE	SALES	CHICAGO

17. List names of employees having month number of hiredate and grade same

SQL> select ename,to\_char(hiredate,'mm'),grade from emp,salgrade where sal between  
losal and hisal and

2 grade=to\_char(hiredate,'mm');

ENAME	TO	GRADE
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JONES	04	4
WARD	02	2
ADAMS	01	1

18. List names of clerks who are reporting to analyst.

```
SQL> select e1.ename,e1.job,e2.ename,e2.job from emp e1,emp e2 where e1.mgr=e2.empno
and
2 e1.job='CLERK' and e2.job='ANALYST';
```

ENAME	JOB	ENAME	JOB
ADAMS	CLERK	SCOTT	ANALYST
SMITH	CLERK	FORD	ANALYST

19. List emp names and their manager names having same grade.

```
SQL> select e1.ename,s1.grade,e2.ename,s2.grade from emp e1,emp e2, salgrade
s1,salgrade s2 where
2 e1.mgr=e2.empno and e1.sal between s1.losal and s1.hisal and e2.sal between
s2.losal and s2.hisal and
3 s1.grade=s2.grade;
```

ENAME	GRADE	ENAME	GRADE
FORD	4	JONES	4
SCOTT	4	JONES	4

20. List emp names of employees who joined before their manager's joining date.

```
SQL> select e1.ename,e1.hiredate,e2.ename,e2.hiredate from emp e1,emp e2 where
e1.mgr=e2.empno and
2 e1.hiredate<e2.hiredate;
```

ENAME	HIREDATE	ENAME	HIREDATE
ALLEN	20-FEB-81	BLAKE	01-MAY-81
WARD	22-FEB-81	BLAKE	01-MAY-81
BLAKE	01-MAY-81	KING	17-NOV-81
CLARK	09-JUN-81	KING	17-NOV-81
JONES	02-APR-81	KING	17-NOV-81
SMITH	17-DEC-80	FORD	03-DEC-81

6 rows selected.