

**WORKSHEET-III (USING EMP TABLE)**

1. List employee names and dept names with which they are associated.
2. List employee names, salary and their grade.
3. List employee name, dept name along with grade.
4. List employee names and their manager names.
5. List dept name and Manager name.
6. List managers of various depts.. Along with grade sorted on grade.
7. List employees having commission along with grade.
8. List employees names with job manager along their manager names to whom they have to report.
9. List names of employees who are working in the same dept of their manager.
10. List names of employees who are not working in the same dept of their manager.
11. List names of employees having first character in their name first character in their dept name same.
12. List employees who joined in the present month in any year and having grade and last digit in the year are same.
13. List names of employees whose empno, mgr and grade given the same remainder when divided by 2.
14. List the names of employees having grade and tens position in the deptno same.
15. List the names of employees having grade and tens position in the deptno same.
16. List employee name, dept name and dept location of those employees having any of these three same length
17. List names of employees having month number of hiredate and grade same
18. List names of clerks who are reporting to analyst.
19. List emp names and thrie manager names having same grade.
20. List emp names of employees who joined before their manager's joining date.

### 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
-----	-----
KING	ACCOUNTING
BLAKE	SALES
CLARK	ACCOUNTING
JONES	RESEARCH
MARTIN	SALES
ALLEN	SALES
TURNER	SALES
JAMES	SALES
WARD	SALES
FORD	RESEARCH
SMITH	RESEARCH

ENAME	DNAME
-----	-----
SCOTT	RESEARCH
ADAMS	RESEARCH
MILLER	ACCOUNTING

#### 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
-----	-----	-----
JAMES	950	1
SMITH	800	1
ADAMS	1100	1
MARTIN	1250	2
WARD	1250	2
MILLER	1300	2
ALLEN	1600	3
TURNER	1500	3
BLAKE	2850	4
CLARK	2450	4
JONES	2975	4

ENAME	SAL	GRADE
-----	-----	-----
FORD	3000	4
SCOTT	3000	4
KING	5000	5

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

## Relational Database Management System (RDBMS)

```
SQL> select ename,dname,grade from emp,dept,salgrade where  
emp.deptno=dept.deptno and sal between losal and hisal;
```

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

ENAME	DNAME	GRADE
FORD	RESEARCH	4
SCOTT	RESEARCH	4
KING	ACCOUNTING	5

### 4. List employee names and their manager names.

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

ENAME	ENAME
BLAKE	KING
CLARK	KING
JONES	KING
MARTIN	BLAKE
ALLEN	BLAKE
TURNER	BLAKE
JAMES	BLAKE
WARD	BLAKE
FORD	JONES
SMITH	FORD
SCOTT	JONES

ENAME	ENAME
ADAMS	SCOTT
MILLER	CLARK

### 5. List dept name and Manager name.

```
SQL>select dname,ename from emp,dept where emp.deptno=dept.deptno and  
job='MANAGER';
```

DNAME	ENAME
SALES	BLAKE
ACCOUNTING	CLARK

RESEARCH                  JONES

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

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

DNAME	ENAME	GRADE
SALES	BLAKE	4
ACCOUNTING	CLARK	4
RESEARCH	JONES	4

**7. List employees having commission along with grade .**

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

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

**8. List employees names with job manager along their manager names to whom they have to report.**

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

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

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

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

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

**10. List names of employees who are not working in the same dept of their manager.**

```
SQL>select e1.ename,e2.ename,e1.deptno,e2.deptno from emp e1,emp e2
where e1.mgr=e2.empno and e1.deptno!=e2.deptno
```

ENAME	ENAME	DEPTNO	DEPTNO
BLAKE	KING	30	10
JONES	KING	20	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
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,to_char(hiredate,'month'),grade from emp,salgrade
where sal between losal and hisal and
to_char(hiredate,'month')=to_char(sysdate,'month') and
to_char(hiredate,'Y')=grade;
```

ENAME	TO_CHAR(H	GRADE
MILLER	january	2

**13. List names of employees whose empno, mgr and grade given the same remainder when divided by 2.**

```
SQL>select ename,empno,mgr,grade from emp,salgrade
where sal between losal and hisal and mod(mgr,2)=mod(empno,2) and
mod(mgr,2)=mod(grade,2);
```

ENAME	EMPNO	MGR	GRADE
MARTIN	7654	7698	2
MILLER	7934	7782	2
FORD	7902	7566	4
SCOTT	7788	7566	4

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

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

ENAME	GRADE	DEPTNO
ALLEN	3	30
TURNER	3	30

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

## Relational Database Management System (RDBMS)

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

ENAME	GRADE	DEPTNO
-----	-----	-----
ALLEN	3	30
TURNER	3	30

### 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 length(ename)=length(dname) and
       length(dname)=length(loc);
```

no rows selected

### 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 to_char(hiredate,'MM')=grade
```

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

### 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 e1.job='CLERK' and e2.job='ANALYST';
```

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

### 19. List emp names and thrie 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 e1.mgr=e2.empno and e1.sal between s1.losal and s1.hisal and
       e2.sal between s2.losal and s1.grade=s2.grade;
```

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

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

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

## Relational Database Management System (RDBMS)

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