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Roll No: 20

FYCS

**Practical 2: Study of Data Manipulation Language Statement**

A) Insert the following records in above created table

**EMP TABLE**

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839	KING	PRESIDENT		17-Nov-81	5000		10
7698	BLAKE	MANAGER	7839	01-May-81	2850		30
7782	CLARK	MANAGER	7839	09-Jun-81	2450		10
7566	JONES	MANAGER	7839	02-Apr-81	2975		20
7788	SCOTT	ANALYST	7566	19-Apr-87	3000		20
7902	FORD	ANALYST	7566	03-Dec-81	3000		20
7369	SMITH	CLERK	7902	17-Dec-80	800		20
7499	ALLEN	SALESMAN	7698	20-Feb-81	1600	300	30
7521	WARD	SALESMAN	7698	22-Feb-81	1250	500	30
7654	MARTIN	SALESMAN	7698	28-Sep-81	1250	1400	30
7844	TURNER	SALESMAN	7698	08-Sep-81	1500	0	30
7876	ADAMS	CLERK	7788	23-May-87	1100		20
7900	JAMES	CLERK	7698	03-Dec-81	950		30
7934	MILLER	CLERK	7782	23-Jan-82	1300		10

**DEPT TABLE**

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

```
SQL> insert into aadil_dept values(10,'ACCOUNTING','NEW YORK');
```

```
1 row created.
```

```
SQL> insert into aadil_dept values(20,'RESEARCH','DALLAS');
```

```
1 row created.
```

```
SQL> insert into aadil_dept values(30,'SALES','CHICAGO');
```

```
1 row created.
```

```
SQL> insert into aadil_dept values(40,'OPERATIONS','BOSTON');
```

```
1 row created.
```

```
SQL> select * from aadil_dept  
2 ;
```

DEPT_NO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

```
SQL>
```

```
SQL> select * from aadil_emp;
```

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
--------	-------	-----	-----	----------	-----	------

DEPT_NO	7839	KING	PRESIDENT	17-NOV-81	5000	
---------	------	------	-----------	-----------	------	--

10	7698	BLAKE	MANAGER	7839 01-MAY-81	2850	
----	------	-------	---------	----------------	------	--

30	7782	CLARK	MANAGER	7839 09-JUN-81	2450	
----	------	-------	---------	----------------	------	--

10	EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
----	--------	-------	-----	-----	----------	-----	------

DEPT_NO	7566	JONES	MANAGER	7839 02-APR-81	2975	
---------	------	-------	---------	----------------	------	--

20	7788	SCOTT	ANALYST	7566 19-APR-87	3000	
----	------	-------	---------	----------------	------	--

20	7902	FORD	ANALYST	7566 03-DEC-81	3000	
----	------	------	---------	----------------	------	--

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
--------	-------	-----	-----	----------	-----	------

DEPT_NO	7369	SMITH	CLERK	7902 17-DEC-80	800	
---------	------	-------	-------	----------------	-----	--

20	7499	ALLEN	SALESMAN	7698 20-FEB-81	1600	300
----	------	-------	----------	----------------	------	-----

30	7521	WARD	SALESMAN	7698 22-FEB-81	1250	500
----	------	------	----------	----------------	------	-----

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
DEPT_NO						
7654 30	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400
7844 30	TURNER	SALESMAN	7698	08-SEP-81	1500	0
7876 20	ADAMS	CLERK	7788	23-MAY-87	1100	
EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
DEPT_NO						
7900 30	JAMES	CLERK	7698	03-DEC-81	950	
7934 10	MILLER	CLERK	7782	23-JAN-82	1300	

14 rows selected.  
SQL>

## B) Update and Delete Queries

1) Update the salary of employees working as CLERK by 500.

```
SQL> update aadil_emp
2 set SAL=SAL+500
3 where job='CLERK';

4 rows updated.

SQL>
```

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
7369 20	SMITH	CLERK	7902	17-DEC-80	1300	
7499 30	ALLEN	SALESMAN	7698	20-FEB-81	1600	300
7521 30	WARD	SALESMAN	7698	22-FEB-81	1250	500
EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
7654 30	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400
7844 30	TURNER	SALESMAN	7698	08-SEP-81	1500	0
7876 20	ADAMS	CLERK	7788	23-MAY-87	1600	
EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
7900 30	JAMES	CLERK	7698	03-DEC-81	1450	
7934 10	MILLER	CLERK	7782	23-JAN-82	1800	

2) Update the manager of James as CLARK.

```
SQL> update aadil_emp
2  set job='CLARK'
3  where ename='JAMES';

1 row updated.

SQL>
```

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
7900	JAMES	CLARK	7698	03-DEC-81	1450	
30						

3) Change the role of Miller as MANAGER.

```
SQL> update aadil_emp
  2  set job='MANAGER'
  3  where ename='MILLER';

1 row updated.
SQL>
```

7934	MILLER	MANAGER	7782	23-JAN-82	1800	
10						

4) Delete the records of Manager

```
SQL> delete from aadil_emp
  2  where job='MANAGER';

4 rows deleted.
SQL>
```

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
7839 10	KING	PRESIDENT		17-NOV-81	5000	
7788 20	SCOTT	ANALYST	7566	19-APR-87	3000	
7902 20	FORD	ANALYST	7566	03-DEC-81	3000	
EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
7369 20	SMITH	CLERK	7902	17-DEC-80	1300	
7499 30	ALLEN	SALESMAN	7698	20-FEB-81	1600	300
7521 30	WARD	SALESMAN	7698	22-FEB-81	1250	500
EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
7654 30	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400
7844 30	TURNER	SALESMAN	7698	08-SEP-81	1500	0
7876 20	ADAMS	CLERK	7788	23-MAY-87	1600	
EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
7900	JAMES	CLARK	7698	03-DEC-81	1450	

5) Delete the records when salary is greater than 1000.

```
SQL> delete from aadil_emp  
2 where SAL>1000;  
  
10 rows deleted.  
  
SQL> select * from aadil_emp;  
  
no rows selected  
  
SQL>
```

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