DBMS LAB REPORT

Lab Number : 2
Date : 20 January, 2022
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Roll Number : 20051685
Branch : Computer Science and Engineering
Section : CSE -10

```
SQL >  spool  C:\Users\KIIT\Desktop\lab 2.txt;
SQL >  spool  off;
SQL >  connect  C_20051685
        Enter  password :
        Connected.


SQL >  create  TABLE  Student (Roll  NUMBER (10),
        Name  VARCHAR (20), City  VARCHAR (20),
        Age  NUMBER (10), CGPA  NUMBER (4, 2));

Table  created.


SQL > insert  into  Student  values (&roll, '&name',
        '&city' , &age, &cgpa);
Enter  value  for  roll:  101
Enter  value  for  name:  Ram
Enter  value  for  city:  Bhubaneswar
Enter  value  for  age:  19
Enter  value  for  cgpa:  9.0
old  1: insert  into  Student  values (&roll, &name,
        '&city' , &age , &cgpa)
new  1: insert  into  Student  values (101, 'Ram',
        'Bhubaneswar' ,  19, 9.0)

1  row  created.


SQL > insert  into  Student (roll, name, city,
        cgpa)  values (102, 'Hari' , 'Bhubaneswar',
        6.7);


1  row  created.
```

SQL > insert into Student (roll, name, city, cgpa)
    values (102, 'Hari', 'Bhubaneswar', 6.7);

1 row created.

SQL > insert into Student values (&roll, &name
    , &city, &age, &cgpa);

Enter value for roll: 103
Enter value for name: Uday
Enter value for city: Jharkhand
Enter value for age: 20
Enter value for cgpa: 8.97
old 1: insert into Student values (&roll, &name,
    &city, &age, &cgpa)
new 1: insert into Student values (103, 'Uday',
    'Jharkhand', 20, 8.97);

1 row created.

SQL > insert into Student values (&roll, &name,
    &city, &age, &cgpa);
Enter value for roll: 104
Enter value for name: Vikas
Enter value for city: Uttar Pradesh
Enter value for age: 19
Enter value for cgpa: 8.5
old 1: insert into Student values (&roll, &name,
    &city, &age, &cgpa)
new 1: insert into Student values (104, 'Vikas',
    'Uttar Pradesh', 19, 8.5)

1 row created.

```
SQL > insert into Student values (&roll,
       '&name', '&city', &age, &cgpa);
Enter value for roll: 105
Enter value for name: Sweta
Enter value for city: Ranchi
Enter value for age: 19
Enter value for cgpa: 9.2
old 1: insert into Student values (&roll,
       '&name', '&city', &age, &cgpa)
new 1: insert into Student values (105, 'Sweta',
       'Ranchi', 19, 9.2)

1 row created.

SQL > insert into Student values (&roll,
       '&name', '&city', &age, &cgpa);
Enter value for roll: 106
Enter value for name: Yogesh
Enter value for city: Rajasthan
Enter value for age: 18
Enter value for cgpa: 7.9

old 1: insert into Student values (&roll, '&name',
       '&city', &age, &cgpa)
new 1: insert into Student values (106, 'Yogesh',
       'Rajasthan', 18, 7.9)

1 row created.

SQL > insert into Student values (&roll, '&name',
       '&city', &age, &cgpa);
Enter value for roll: 210
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Enter value for name: Smriti
Enter value for city: Delhi
Enter value for age: 20
Enter value for cgpa: 8.99
old 1: insert into Student values (&roll, '&name',
'&city', '&age', &cgpa)
new 1: insert into Student values (210, 'Smriti',
'Delhi', 20, 8.99)

1 row created.

SQL > insert into Student values (&roll, '&name',
'&city', &age, &cgpa);
Enter value for roll: 211
Enter value for name: Sudam
Enter value for city: Cuttack
Enter value for age: 21
Enter value for cgpa: 8.6
old 1: insert into Student values (&roll,
'&name', '&city', &age, &cgpa)
new 1: insert into Student values (211, 'Sudam',
'Cuttack', 21, 8.6)

1 row created.

SQL > insert into Student values (&roll, '&name',
'&city', &age, &cgpa);
Enter value for roll: 212
Enter value for name: Vikas
Enter value for city: Kolkata
Enter value for age: 23
Enter value for cgpa: 5.98

old 1: insert into Student values (&roll,
'&name', '&city', &age, &gpa)
new 1: insert into Student values (212, 'Vikas',
'Kolkata', 23, 5.98)

1 row created.

SQL> insert into Student (roll, name, age,
(gpa) values (165, 'Manish', 19, 9.15);

1 row created.

SQL> select * from Student;

ROLL	NAME	CITY	AGE	CGPA
101	Ram	Bhubaneswar	19	9
102	Hari	Bhubaneswar		6.7
103	Uday	Jharkhand	20	8.97
104	Vikas	Uttar Pradesh	19	8.5
105	Sweta	Ranchi	19	9.2
106	Yogesh	Rajasthan	18	7.9
210	Smriti	Delhi	20	8.99
211	Sudam	Cuttack	21	8.6
212	Vikas	Kolkata	23	5.98
165	Manish		19	9.15

10 rows selected.

SQL> commit;

Commit complete.

Final Table :

```
SQL> select * from Student;

      ROLL NAME                 CITY                        AGE       CGPA
---------- -------------------- -------------------- ---------- ----------
       101 Ram                  Bhubaneswar                  19          9
       102 Hari                 Bhubaneswar                             6.7
       103 Uday                 Jharkhand                    20       8.97
       104 Vikas                Uttar Pradesh                19        8.5
       105 Sweta                Ranchi                       19        9.2
       106 Yogesh               Rajasthan                    18        7.9
       210 Smriti               Delhi                        20       8.99
       211 Sudam                Cuttack                      21        8.6
       212 Vikas                Kolkota                      23       5.98
       165 Manish                                            19       9.15

10 rows selected.
```

SQL > create TABLE Employee (EMPNO number(6),
        ENAME varchar(20) , JOB varchar (25),
        MGR number (5), HIREDATE date, SAL
        number (5) comm number (5), DEPTNO
        number (4));

Table created.

SQL > desc Employee ;

Name	Null ?	Type
EMPNO		NUMBER (6)
ENAME		VARCHAR2 (20)
JOB		VARCHAR2 (25)
MGR		NUMBER (5)
HIREDATE		DATE
SAL		NUMBER (5)
COMM		NUMBER (5)
DEPTNO		NUMBER (4)

SQL > set linesize 200;

SQL> insert into Employee (empno, ename, job,
        mgr, hiredate , sal , deptno) values (7369,
        'SMITH' , 'CLERK', 7902 , '17-DEC-80', 800,
        20);

1 row created.

SQL > insert into Employee (empno, ename, job,
        mgr, hiredate, sal, comm , deptno) values

(7499, 'ALLEN', 'SALESMAN', 7698, '20-FEB-81', 1600, 300, 30);

1 row created.

SQL > insert into Employee (empno, ename, job, mgr, hiredate, sal, comm, deptno) values (7521, 'WARD', 'SALESMAN', 7698, '22-FEB-81', 1250, 500, 30);

1 row created.

SQL > insert into Employee (empno, ename, job, mgr, hiredate, sal, comm, deptno) values (7566, 'JONES', 'MANAGER', 7839, '02-APR-81', 2975, 20);

1 row created.

SQL > insert into Employee (empno, ename, job, mgr, hiredate, sal, comm, deptno) values (7654, 'MARTIN', 'SALESMAN', 7698, '28-SEP-81', 1250, 1400, 30);

1 row created.

SQL > insert into Employee (empno, ename, job, mgr, hiredate, sal, deptno) values (7698, 'BLAKE', 'MANAGER', 7839, '01-MAY-81', 2850, 30);

1 row created.

```
SQL > insert into Employee (empno, ename,
      job, mgr, hiredate, sal, deptno)
      values (7782, 'CLARK', 'MANAGER',
      7839, '09-JUN-81', 2450, 10);

1 row created

SQL> insert into Employee (empno, ename,
     job, mgr, hiredate, sal, deptno)
     values (7788, 'SCOTT', 'ANALYST',
     7566, '09-NOV-81', 3000, 20);

1 row created.

SQL> insert into Employee (empno, ename,
     job, hiredate, sal, deptno) values
     (7839, 'KING', 'PRESIDENT',
     '17-NOV-81', 5000, 10);

1 row created.

SQL> insert into Employee (empno, ename,
     job, mgr, hiredate, sal, comm,
     deptno) values (7844, 'TURNER',
     'SALESMAN', 7698, '08-SEP-81',
     1500, 0, 30);

1 row created.

SQL > insert into Employee (empno, ename,
      job, mgr, hiredate, sal, deptno)
      values (7876, 'ADAMS', 'CLERK', 7788,
```

'23-SEP-81', 1100, 20);

1 row created.

SQL> insert into Employee (empno, ename, job, mgr, hiredate, sal, deptno) values (7900, 'JAMES', 'CLERK', 7698, '03-DEC-81', 950, 30);

1 row created.

SQL> insert into Employee (empno, ename, job, mgr, hiredate, sal deptno) values (7902, 'FORD', 'ANALYST', 7566, '03-DEC-81', 3000, 20);

1 row created.

SQL> insert into Employee (empno, ename, job, mgr, hiredate, sal, deptno) values (7934, 'MILLER', 'CLERK', 7782, '23-JAN-82', 1300, 10);

1 row created.

SQL > select * from employee;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
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
7566	JONES	MANAGER	7839	02-APR-81	2975		20
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7698	BLAKE	MANAGER	7839	01-MAY-81	2850		30
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10
7788	SCOTT	ANALYST	7566	09-NOV-81	3000		20
7839	KING	PRESIDENT		17-NOV-81	5000		10
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7876	ADAMS	CLERK	7788	23-SEP-81	1100		20

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7900	JAMES	CLERK	7698	03-DEC-81	950		30
7902	FORD	ANALYST	7566	03-DEC-81	3000		20
7934	MILLER	CLERK	7782	23-JAN-82	1300		10

14 rows selected.

SQL > commit;

Commit complete.

Final Table :

```
SQL> set line 200;
SQL> select * from Employee;

     EMPNO ENAME                JOB                        MGR HIREDATE         SAL       COMM     DEPTNO
---------- -------------------- ------------------------ ---------- --------- ---------- ---------- ----------
      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
      7566 JONES                MANAGER                   7839 02-APR-81       2975                    20
      7654 MARTIN               SALESMAN                  7698 28-SEP-81       1250       1400         30
      7698 BLAKE                MANAGER                   7839 01-MAY-81       2850                    30
      7782 CLARK                MANAGER                   7839 09-JUN-81       2450                    10
      7788 SCOTT                ANALYST                   7566 09-NOV-81       3000                    20
      7839 KING                 PRESIDENT                      17-NOV-81       5000                    10
      7844 TURNER               SALESMAN                  7698 08-SEP-81       1500          0         30
      7876 ADAMS                CLERK                     7788 23-SEP-81       1100                    20

     EMPNO ENAME                JOB                        MGR HIREDATE         SAL       COMM     DEPTNO
---------- -------------------- ------------------------ ---------- --------- ---------- ---------- ----------
      7900 JAMES                CLERK                     7698 03-DEC-81        950                    30
      7902 FORD                 ANALYST                   7566 03-DEC-81       3000                    20
      7934 MILLER               CLERK                     7782 23-JAN-82       1300                    10

14 rows selected.
```