

ASSIGNMENT – 2 [DBMS LAB]

21BCE7371 RADHA KRISHNA GARG

INSERTING VALUES IN TABLE

Employee Table

EMPLOYEE

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
John	B	Smith	123456789	1965-01-09	731 Fondren, Houston, TX	M	30000	333445555	5
Franklin	T	Wong	333445555	1955-12-08	638 Voss, Houston, TX	M	40000	888665555	5
Alicia	J	Zelaya	999887777	1968-01-19	3321 Castle, Spring, TX	F	25000	987654321	4
Jennifer	S	Wallace	987654321	1941-06-20	291 Berry, Bellaire, TX	F	43000	888665555	4
Ramesh	K	Narayan	666884444	1962-09-15	975 Fire Oak, Humble, TX	M	38000	333445555	5
Joyce	A	English	453453453	1972-07-31	5631 Rice, Houston, TX	F	25000	333445555	5
Ahmad	V	Jabbar	987987987	1969-03-29	980 Dallas, Houston, TX	M	25000	987654321	4
James	E	Borg	888665555	1937-11-10	450 Stone, Houston, TX	M	55000	NULL	1

QUERY

```
-- Inserting Values
INSERT INTO employee
VALUES (
    'John',
    'B',
    'Smith',
    '123456789',
    '09-Jan-65',
    '731 Fondren, Houston, TX',
    'M',
    30000,
    33344555 ,
    5
);

INSERT INTO employee
VALUES (
    'Joyce',
    ' ',
    'PAN',
    '543216789',
    '07-FEB-78',
    '35 S 18 E, Salt Lake City, UT',
    'F',
    70000,
    NULL,
    NULL
);
```

```
INSERT INTO employee
VALUES (
    'Frankin',
    'T',
    'Wong',
    '333445555',
    '08-DEC-45',
    '638 Voss,Houston, TX',
    'M',
    40000,
    554433221,
    NULL
);

INSERT INTO employee
VALUES (
    'Jennifer',
    'S',
    'Wallace',
    '987654321',
    '20-JUN-31',
    '291 Berry, Bellaire, TX',
    'F',
    43000,
    554433221,
    NULL
);

INSERT INTO employee
VALUES (
    'Johnny',
    'B',
    'Smith',
    '123456789',
    '09-JAN-55',
    '731 Fondren,Houston, TX',
    'M',
    30000,
    333445555,
    NULL
);

INSERT INTO employee
VALUES (
    'Ramesh',
    'K',
    'Narayan',
    '666884444',
    '15-SEP-52',
    '975 Fire Oak,Humble, TX',
    'M',
```

```
        38000,  
        333445555,  
        NULL  
    );  
  
INSERT INTO employee  
VALUES (  
    'Joyce',  
    'A',  
    'English',  
    '453453453',  
    '31-JUL-62',  
    '5631 Rice,Houston, TX',  
    'F',  
    25000,  
    333445555,  
    NULL  
);  
  
INSERT INTO employee  
VALUES (  
    'James',  
    'E',  
    'Borg',  
    '888665555',  
    '10-NOV-27',  
    '450 Stone,Houston, TX',  
    'M',  
    55000,  
    543216789,  
    NULL  
);  
  
INSERT INTO employee  
VALUES (  
    'Alicia',  
    'J',  
    'Zelaya',  
    '999887777',  
    '19-JUL-58',  
    '3321 Castle,Spring, TX',  
    'F',  
    25000,  
    987654321,  
    NULL  
);  
  
INSERT INTO employee  
VALUES (  
    'Ahmad',  
    'V',  
    'Jabbar',
```

```

        '987987987',
        '29-MAR 59',
        '980 Dallas,Houston, TX',
        'M',
        25000,
        987654321,
        NULL
    );

-- Altering table, this to be run after entering values in department table.
UPDATE employee SET department_number = 3 WHERE SSN_Number = '554433221';
UPDATE employee SET department_number = 2 WHERE SSN_Number = '543216789';
UPDATE employee SET department_number = 5 WHERE SSN_Number = '333445555';
UPDATE employee SET department_number = 4 WHERE SSN_Number = '987654321';
UPDATE employee SET department_number = 5 WHERE SSN_Number = '123456789';
UPDATE employee SET department_number = 5 WHERE SSN_Number = '666884444';
UPDATE employee SET department_number = 5 WHERE SSN_Number = '453453453';
UPDATE employee SET department_number = 1 WHERE SSN_Number = '888665555';
UPDATE employee SET department_number = 4 WHERE SSN_Number = '999887777';
UPDATE employee SET department_number = 4 WHERE SSN_Number = '987987987';

```

RESULT

```

SQL> INSERT INTO employee
  2  VALUES (
  3      'Doug',
  4      'E',
  5      'Gilbert',
  6      '554433221',
  7      '09-JUN-60',
  8      '11 S 59 E, Salt Lake City, UT',
  9      'M',
 10      80000,
 11      NULL,
 12      NULL
 13  );

1 row created.

SQL>
SQL> INSERT INTO employee
  2  VALUES (
  3      'Joyce',
  4      ', ',
  5      'PAN',
  6      '543216789',
  7      '07-FEB-78',
  8      '35 S 18 E, Salt Lake City, UT',
  9      'F',
 10      70000,
 11      NULL,
 12      NULL
 13  );

1 row created.

SQL>
SQL> INSERT INTO employee
  2  VALUES (
  3      'Frankin',
  4      'T',
  5      'Wong',
  6      '333445555',
  7      '08-DEC-45',
  8      '638 Voss,Houston, TX',
  9      'M',
 10      40000,
 11      554433221,
 12      NULL
 13  );

1 row created.

```

```
SQL> INSERT INTO employee
  2  VALUES (
  3      'Jennifer',
  4      'S',
  5      'Wallace',
  6      '987654321',
  7      '20-JUN-31',
  8      '291 Berry, Bellaire, TX',
  9      'F',
10      43000,
11      554433221,
12      NULL
13  );
```

1 row created.

```
SQL>
SQL> INSERT INTO employee
  2  VALUES (
  3      'Johnny',
  4      'B',
  5      'Smith',
  6      '123456789',
  7      '09-JAN-55',
  8      '731 Fondren,Houston, TX',
  9      'M',
10      30000,
11      333445555,
12      NULL
13  );
```

1 row created.

```
SQL>
SQL> INSERT INTO employee
  2  VALUES (
  3      'Ramesh',
  4      'K',
  5      'Narayan',
  6      '666884444',
  7      '15-SEP-52',
  8      '975 Fire Oak,Humble, TX',
  9      'M',
10      38000,
11      333445555,
12      NULL
13  );
```

1 row created.

```
SQL> INSERT INTO employee
  2  VALUES (
  3      'Joyce',
  4      'A',
  5      'English',
  6      '453453453',
  7      '31-JUL-62',
  8      '5631 Rice,Houston, TX',
  9      'F',
10      25000,
11      333445555,
12      NULL
13  );
```

1 row created.

```
SQL>
SQL> INSERT INTO employee
  2  VALUES (
  3      'James',
  4      'E',
  5      'Borg',
  6      '888665555',
  7      '10-NOV-27',
  8      '450 Stone,Houston, TX',
  9      'M',
10      55000,
11      543216789,
12      NULL
13  );
```

1 row created.

```
SQL>
SQL> INSERT INTO employee
  2  VALUES (
  3      'Alicia',
  4      'J',
  5      'Zelaya',
  6      '999887777',
  7      '19-JUL-58',
  8      '3321 Castle,Spring, TX',
  9      'F',
10      25000,
11      987654321,
12      NULL
13  );
```

1 row created.█

```
SQL> INSERT INTO employee
 2  VALUES (
 3      'Ahmad',
 4      'V',
 5      'Jabbar',
 6      '987987987',
 7      '29-MAR 59',
 8      '980 Dallas,Houston, TX',
 9      'M',
10      25000,
11      987654321,
12      NULL
13  );

1 row created.
```

THIS QUERY HAS TO RUN AFTER INSERTING VALUES IN DEPARTMENT TABLE

```
SQL> UPDATE employee SET department_number = 3 WHERE SSN_Number = '554433221';

1 row updated.

SQL> UPDATE employee SET department_number = 2 WHERE SSN_Number = '543216789';

1 row updated.

SQL> UPDATE employee SET department_number = 5 WHERE SSN_Number = '333445555';

1 row updated.

SQL> UPDATE employee SET department_number = 4 WHERE SSN_Number = '987654321';

1 row updated.

SQL> UPDATE employee SET department_number = 5 WHERE SSN_Number = '123456789';

1 row updated.

SQL> UPDATE employee SET department_number = 5 WHERE SSN_Number = '666884444';

1 row updated.

SQL> UPDATE employee SET department_number = 5 WHERE SSN_Number = '453453453';

1 row updated.

SQL> UPDATE employee SET department_number = 1 WHERE SSN_Number = '888665555';

1 row updated.

SQL> UPDATE employee SET department_number = 4 WHERE SSN_Number = '999887777';

1 row updated.

SQL> UPDATE employee SET department_number = 4 WHERE SSN_Number = '987987987';

1 row updated.
```

Department Table

DEPARTMENT

Dname	<u>Dnumber</u>	Mgr_ssn	Mgr_start_date
Research	5	333445555	1988-05-22
Administration	4	987654321	1995-01-01
Headquarters	1	888665555	1981-06-19

QUERY

```
-- Inserting values
INSERT INTO department VALUES ('Research', 5, '333445555', 22-MAY-88');
INSERT INTO department VALUES ('Administration', 4, '987654321', '01-JAN-95');
INSERT INTO department VALUES ('Headquarter', 1, '888665555', '19-JUN-81');
```

RESULT

```
SQL> INSERT INTO department VALUES ('Manufacture', 1, '888665555', '19-JUN-71');
1 row created.

SQL> INSERT INTO department VALUES ('Administration', 2, '543216789', '04-JAN-99');
1 row created.

SQL> INSERT INTO department VALUES ('Headquarter', 3, '554433221', '22-SEP-55');
1 row created.

SQL> INSERT INTO department VALUES ('Finance', 4, '987654321', '01-JAN-85');
1 row created.

SQL> INSERT INTO department VALUES ('Research', 5, '333445555', '22-MAY-78');
1 row created.
```


Dept Locations Table

DEPT_LOCATIONS

<u>Dnumber</u>	<u>Dlocation</u>
1	Houston
4	Stafford
5	Bellaire
5	Sugarland
5	Houston

QUERY

```
-- Inserting Values
INSERT INTO dept_locations VALUES (1, 'Houston');
INSERT INTO dept_locations VALUES (4, 'stafford');
INSERT INTO dept_locations VALUES (5, 'Bellaire');
INSERT INTO dept_locations VALUES (5, 'Sugarland');
INSERT INTO dept_locations VALUES (5, 'houston');
```

RESULT

```
SQL> INSERT INTO dept_locations VALUES (1, 'Houston');
1 row created.

SQL> INSERT INTO dept_locations VALUES (1, 'Chicago');
1 row created.

SQL> INSERT INTO dept_locations VALUES (2, 'New York');
1 row created.

SQL> INSERT INTO dept_locations VALUES (2, 'San Francisco');
1 row created.

SQL> INSERT INTO dept_locations VALUES (3, 'Salt Lake City');
1 row created.

SQL> INSERT INTO dept_locations VALUES (4, 'Stafford');
1 row created.

SQL> INSERT INTO dept_locations VALUES (4, 'Bellaire');
1 row created.

SQL> INSERT INTO dept_locations VALUES (5, 'Sugarland');
1 row created.

SQL> INSERT INTO dept_locations VALUES (5, 'Houston');
1 row created.
```

Project Table

PROJECT

Pname	<u>Pnumber</u>	Plocation	Dnum
ProductX	1	Bellaire	5
ProductY	2	Sugarland	5
ProductZ	3	Houston	5
Computerization	10	Stafford	4
Reorganization	20	Houston	1
Newbenefits	30	Stafford	4

QUERY

```
-- Inserting Values
INSERT INTO project VALUES ('projectx', 1, 'Bellaire', 5);
INSERT INTO project VALUES ('projecty', 2, 'Sugarland', 5);
INSERT INTO project VALUES ('projectz', 3, 'Houston', 5);
INSERT INTO project VALUES ('Computerization', 10, 'Stafford', 4);
INSERT INTO project VALUES ('Reorganization', 20, 'houston', 1);
INSERT INTO project VALUES ('Newbenefits', 30, 'Stafford', 4);
```

RESULT

```
SQL> INSERT INTO project VALUES ('projectA', 3388, 'Houston', 1);
1 row created.

SQL> INSERT INTO project VALUES ('projectB', 1945, 'Salt Lake City', 3);
1 row created.

SQL> INSERT INTO project VALUES ('projectC', 6688, 'Houston', 5);
1 row created.

SQL> INSERT INTO project VALUES ('projectD', 2423, 'Bellaire', 4);
1 row created.

SQL> INSERT INTO project VALUES ('projectE', 7745, 'Sugarland', 5);
1 row created.

SQL> INSERT INTO project VALUES ('projectF', 1566, 'Salt Lake City', 3);
1 row created.

SQL> INSERT INTO project VALUES ('projectG', 1234, 'New York', 2);
1 row created.

SQL> INSERT INTO project VALUES ('projectH', 3467, 'Stafford', 4);
1 row created.

SQL> INSERT INTO project VALUES ('projectI', 4345, 'Chicago', 1);
1 row created.

SQL> INSERT INTO project VALUES ('projectJ', 2212, 'San Francisco', 2);
1 row created.
```

WORKS_ON

<u>Essn</u>	<u>Pno</u>	Hours
123456789	1	32.5
123456789	2	7.5
666884444	3	40.0
453453453	1	20.0
453453453	2	20.0
333445555	2	10.0
333445555	3	10.0
333445555	10	10.0
333445555	20	10.0
999887777	30	30.0
999887777	10	10.0
987987987	10	35.0
987987987	30	5.0
987654321	30	20.0
987654321	20	15.0
888665555	20	NULL

QUERY

```
-- Inserting Values
INSERT INTO works_on VALUES (123456789,1,32.5);
INSERT INTO works_on VALUES (123456789,2,7.5);
INSERT INTO works_on VALUES (666884444,3,40.0);
INSERT INTO works_on VALUES (453453453,1,20.0);
INSERT INTO works_on VALUES (453453453,2,20.0);
INSERT INTO works_on VALUES (333445555,2,10.0);
INSERT INTO works_on VALUES (333445555,2,10.0);
```

```
INSERT INTO works_on VALUES (333445555,10,35.0);
INSERT INTO works_on VALUES (333445555,20,28.5);
INSERT INTO works_on VALUES (999887777,30,11.5);
INSERT INTO works_on VALUES (543216789,10,17.0);
INSERT INTO works_on VALUES (554433221,10,21.5);
```

RESULT

```
SQL> INSERT INTO works_on VALUES (123456789,3388,32.5);
1 row created.

SQL> INSERT INTO works_on VALUES (123456789,1945,7.5);
1 row created.

SQL> INSERT INTO works_on VALUES (666884444,3388,40.0);
1 row created.

SQL> INSERT INTO works_on VALUES (453453453,7745,20.0);
1 row created.

SQL> INSERT INTO works_on VALUES (453453453,2212,20.0);
1 row created.

SQL> INSERT INTO works_on VALUES (333445555,7745,10.0);
1 row created.

SQL> INSERT INTO works_on VALUES (333445555,6688,10.0);
1 row created.

SQL> INSERT INTO works_on VALUES (333445555,4345,35.0);
1 row created.

SQL> INSERT INTO works_on VALUES (333445555,2212,28.5);
1 row created.

SQL> INSERT INTO works_on VALUES (999887777,2212,11.5);
1 row created.

SQL> INSERT INTO works_on VALUES (543216789,2212,17.0);
1 row created.

SQL> INSERT INTO works_on VALUES (554433221,1945,21.5);
1 row created.
```

Dependent Table

<u>Essn</u>	<u>Dependent_name</u>	Sex	Bdate	Relationship
333445555	Alice	F	1986-04-05	Daughter
333445555	Theodore	M	1983-10-25	Son
333445555	Joy	F	1958-05-03	Spouse
987654321	Abner	M	1942-02-28	Spouse
123456789	Michael	M	1988-01-04	Son
123456789	Alice	F	1988-12-30	Daughter
123456789	Elizabeth	F	1967-05-05	Spouse

QUERY

```
-- Inserting Values
INSERT INTO dependent VALUES (333445555, 'Alice', 'F', '05-Apr-86', 'Daughter'
);
INSERT INTO dependent VALUES (333445555, 'Theodore', 'M', '25-Oct-83', 'Son');
INSERT INTO dependent VALUES (333445555, 'Joy', 'F', '03-May-58', 'Spouse');
INSERT INTO dependent VALUES (987654321, 'Abner', 'M', '28-Feb-42', 'Spouse');
INSERT INTO dependent VALUES (123456789, 'Alice', 'F', '30-Dec-88', 'Daughter'
);
INSERT INTO dependent VALUES (123456789, 'Elizabeth', 'F', '05-may-67', 'Spous
e');
```

RESULT

```
SQL> INSERT INTO dependent VALUES (333445555, 'Alice', 'F', '05-Apr-76', 'Daughter');
1 row created.

SQL> INSERT INTO dependent VALUES (333445555, 'Theodore', 'M', '25-Oct-73', 'Son');
1 row created.

SQL> INSERT INTO dependent VALUES (333445555, 'Joy', 'F', '03-May-48', 'Spouse');
1 row created.

SQL> INSERT INTO dependent VALUES (987654321, 'Abner', 'M', '29-Feb-32', 'Spouse');
1 row created.

SQL> INSERT INTO dependent VALUES (123456789, 'Alice', 'F', '31-Dec-78', 'Daughter');
1 row created.

SQL> INSERT INTO dependent VALUES (123456789, 'Elizabeth', 'F', '05-may-57', 'Spouse');
1 row created.
```