

Screenshot Solutions of lab assignment 2

Tables-

DNAME	DNUMBER	MGR_SSN	MGR_START_
Research	5	333445555	1988-05-22
Administration	4	987654321	1995-01-01
Headquarters	1	888665555	1981-06-19

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

DNUMBER	DLOCATION
1	Houston
4	Stafford
5	Bellaire
5	Sugarland
5	Houston

ESSN	PNO	HOURS
123456789	1	32.5
123456789	2	7.5
666884444	3	40
453453453	1	20
453453453	2	20
333445555	2	10
333445555	3	10
333445555	10	10
333445555	20	10
999887777	30	30
999887777	10	10
ESSN	PNO	HOURS
987987987	10	35
987987987	30	5
987654321	30	20
987654321	20	15
888665555	20	

16 rows selected.

PNAME	PNUMBER	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

6 rows selected.

ESSN	DEPENDENT_NAME	S	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

7 rows selected.

Queries Execution-

a)

PNAME	DNAME	FNAME
ADDRESS	BDATE	
Computerization	Administration	Jennifer
291 Berry, Bellaire, TX	1941-06-20	
Newbenefits	Administration	Jennifer
291 Berry, Bellaire, TX	1941-06-20	

b)

FNAME	E.SALARY*1.1
John	33000
Joyce	27500

c)

FNAME	LNAME	PNAME	DNUMBER
James	Borg	Reorganization	1
Ahmad	Jabbar	Computerization	4
Ahmad	Jabbar	Newbenefits	4
Jennifer	Wallace	Computerization	4
Jennifer	Wallace	Newbenefits	4
Alicia	Zelaya	Newbenefits	4
Alicia	Zelaya	Computerization	4
Joyce	English	ProductX	5
Joyce	English	ProductY	5
Joyce	English	ProductZ	5
Ramesh	Narayan	ProductZ	5

FNAME	LNAME	PNAME	DNUMBER
Ramesh	Narayan	ProductY	5
Ramesh	Narayan	ProductX	5
John	Smith	ProductX	5
John	Smith	ProductZ	5
John	Smith	ProductY	5
Franklin	Wong	ProductX	5
Franklin	Wong	ProductY	5
Franklin	Wong	ProductZ	5

19 rows selected.

d)

FNAME	FNAME
Joyce	Franklin
John	Franklin

e)

SSN	FNAME
123456789	John

f)

```
no rows selected
```

g)

```
SUM(SALARY) MAX(SALARY) AVG(SALARY) MIN(SALARY)
-----
      133000       40000       33250       25000
```

h)

```
  DNUMBER FNAME
-----
         5 Joyce
         5 Ramesh
         5 Franklin
         5 John
```

i)

```
FNAME          SALARY
-----
John           33000
Franklin       44000
Alicia         25000
Jennifer       43000
Ramesh         38000
Joyce          25000
Ahmad          25000
James          55000

8 rows selected.
```

j)

```
FNAME                                DNO
-----
John                                4
Franklin                            5
Alicia                              4
Jennifer                            4
Ramesh                              5
Joyce                               5
Ahmad                               4
James                               1

8 rows selected.
```

k)

```
FNAME
-----
Joyce
```

l)

```
      DSAL      DCNT
-----
      55000      1
      126000      4
      107000      3

1 row created.

      DSAL      DCNT
-----
      55000      1
      126000      4
      132000      4

Table altered.
```

m)

FNAME	M	LNAME	SSN	BDATE
ADDRESS	S	SALARY	SUPER_SSN	DNO
COMMISSION				
John	B	Smith	123456789	1965-01-09
731 Fondren, Houston, TX	M	33000	333445555	4
2000				
Franklin	T	Wong	333445555	1955-12-08
638 Voss, Houston, TX	M	44000	888665555	5
1000				

FNAME	M	LNAME	SSN	BDATE
ADDRESS	S	SALARY	SUPER_SSN	DNO
COMMISSION				
Alicia	J	Zelaya	999887777	1968-01-19
8321 Castle, Spring, TX	F	25000	987654321	4
2000				
Dennifer	S	Wallace	987654321	1941-06-20
291 Berry, Bellaire, TX	F	43000	888665555	4

FNAME	M	LNAME	SSN	BDATE
ADDRESS	S	SALARY	SUPER_SSN	DNO
COMMISSION				
2000				
Ramesh	K	Narayan	666884444	1962-09-15
975 Fire Oak, Humble, TX	M	38000	333445555	5
1000				
Joyce	A	English	453453453	1972-07-31

FNAME	M	LNAME	SSN	BDATE
ADDRESS	S	SALARY	SUPER_SSN	DNO
COMMISSION				
5631 Rice, Houston, TX	F	25000	333445555	5
1000				

n)

PNAME	PNUMBER	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

6 rows selected.

1 row deleted.

PNAME	PNUMBER	PLOCATION	DNUM
ProductX	1	Bellaire	5
ProductY	2	Sugarland	5
ProductZ	3	Houston	5
Computerization	10	Stafford	4
Reorganization	20	Houston	1

o)

FNAME
Franklin

p)

Enter value for d: Administration

old 2: where Dno = (select Dnumber from DEPARTMENT where dname='&d')

new 2: where Dno = (select Dnumber from DEPARTMENT where dname='Administration')

2020-SUBSTR(BDATE,1,4)	SALARY
55	33000
52	25000
79	43000
51	25000

q)

4 rows updated.

SALARY

33000
52800
25000
43000
45600
30000
25000
55000
30000

9 rows selected.