

Employee

base: company » Table: Employee									
SQL	Search	Insert	Export	Import	Privileges	Operations	More		
Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
Tana	A	Bana	123456700	1968-01-08	900 Whitney, Houston, TX	M	30000.00	123456780	2
Mary	A	Smith	123456780	1967-01-08	700 Alma, Houston, TX	F	30000.00	333445555	2
John	B	Smith	123456789	1965-01-09	731 Fondren, Houston, TX	M	30000.00	333445555	5
Franklin	T	Wong	333445555	1955-12-08	638 Voss, Houston, TX	M	40000.00	888665555	5
Ramesh	A	English	453453453	1972-07-31	5631 Rice, Houston, TX	F	25000.00	333445555	5
Jennifer	K	Narayan	666884444	1962-09-15	Fire Oak, Humble, TX	M	38000.00	333445555	5
Ahmad	E	Borg	888665555	1937-11-10	450 Stone, Houston, TX	M	56000.00	NULL	1
Alicia	S	Wallace	987654321	1941-06-20	291 Berry, Bellaire, TX	F	43000.00	888665555	4
Joyce	V	Jabbar	987987987	1969-03-29	980 Dallas, Houston, TX	M	25000.00	987654321	4
Jennifer	J	Zelaya	999887777	1968-01-19	3321 Castle, Spring, TX	F	25000.00	888665555	4

Department

base: company » Table: department			
SQL	Search	Insert	Export
Dname	Dnumber	Mgr_ssn	Mgr_start_date
Headquarters	1	888665555	NULL
IT	2	123456780	1967-01-08
Administration	4	987654321	NULL
Research	5	333445555	1988-05-22

Dept_locations

base: company » Table: dept_locations	
SQL	Search
Dnumber	Dlocation
1	Houston
2	Houston
4	Stafford
5	Bellaire
5	Houston
5	Sugarland

Dependent

base: company » Table: dependent				
SQL	Search	Insert	Export	Import
Essn	Dependent_name	Sex	Bdate	Relationship
123456789	Alice	F	1988-12-30	Daughter
123456789	Elizabeth	F	1967-05-05	Spouse
123456789	Michael	M	1988-01-04	Son
333445555	Alice	F	1986-04-05	Daughter
333445555	Joy	F	1958-04-05	Spouse
333445555	Theodore	M	1983-10-25	Son
987654321	Abner	M	1942-02-28	Spouse
987654321	Alicia	F	1968-01-06	Daughter

Project

base: company » Table: project			
SQL	Search	Insert	Export
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
IT_PROJ	40	Houston	2

Works_on

base: company » Table: works_on

SQL Search Insert

Essn	Pno	Hours
123456700	40	30.0
123456789	1	32.5
123456789	2	7.5
333445555	2	7.5
333445555	3	10.0
333445555	10	10.0
333445555	20	10.0
453453453	1	20.0
453453453	2	20.0
666884444	3	40.0
888665555	20	0.0
987654321	20	15.0
987654321	30	20.0
987987987	10	35.0
987987987	30	5.0
999887777	10	10.0
999887777	30	30.0

EMPLOYEE

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
-------	-------	-------	-----	-------	---------	-----	--------	-----------	-----

DEPARTMENT

Dname	Dnumber	Mgr_ssn	Mgr_start_date
-------	---------	---------	----------------

DEPT_LOCATIONS

Dnumber	Dlocation
---------	-----------

PROJECT

Pname	Pnumber	Plocation	Dnum
-------	---------	-----------	------

WORKS_ON

Essn	Pno	Hours
------	-----	-------

DEPENDENT

Essn	Dependent_name	Sex	Bdate	Relationship
------	----------------	-----	-------	--------------

Figure 9.2

Result of mapping the COMPANY ER schema into a relational database schema.

Dept5emp View

base: company » View: dept5emp

SQL Search Insert Export Privileges Operations Tracking

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
John	B	Smith	123456789	1965-01-09	731 Fondren, Houston, TX	M	30000.00	333445555	5
Franklin	T	Wong	333445555	1955-12-08	638 Voss, Houston, TX	M	40000.00	888665555	5
Ramesh	A	English	453453453	1972-07-31	5631 Rice, Houston, TX	F	25000.00	333445555	5
Jennifer	K	Narayan	666884444	1962-09-15	Fire Oak, Humble, TX	M	38000.00	333445555	5

Dept_info View

Dept_name	No_of_emps	Total_sal
Administration	3	93000.00
Headquarters	1	56000.00
IT	2	60000.00
Research	4	133000.00

Works_on1 View

base: company » View: works_on1

Fname	Lname	Pname	Hours
Franklin	Wong	Computerization	10.0
Joyce	Jabbar	Computerization	35.0
Jennifer	Zelaya	Computerization	10.0
Tana	Bana	IT_PROJ	30.0
Alicia	Wallace	Newbenefits	20.0
Joyce	Jabbar	Newbenefits	5.0
Jennifer	Zelaya	Newbenefits	30.0
John	Smith	ProductX	32.5
Ramesh	English	ProductX	20.0
John	Smith	ProductY	7.5
Franklin	Wong	ProductY	7.5
Ramesh	English	ProductY	20.0
Franklin	Wong	ProductZ	10.0
Jennifer	Narayan	ProductZ	40.0
Franklin	Wong	Reorganization	10.0
Ahmad	Borg	Reorganization	0.0
Alicia	Wallace	Reorganization	15.0