

DB2 SQL Workshop

(Course Code CF12)

Tables Used in the Exercises

ERC 4.1

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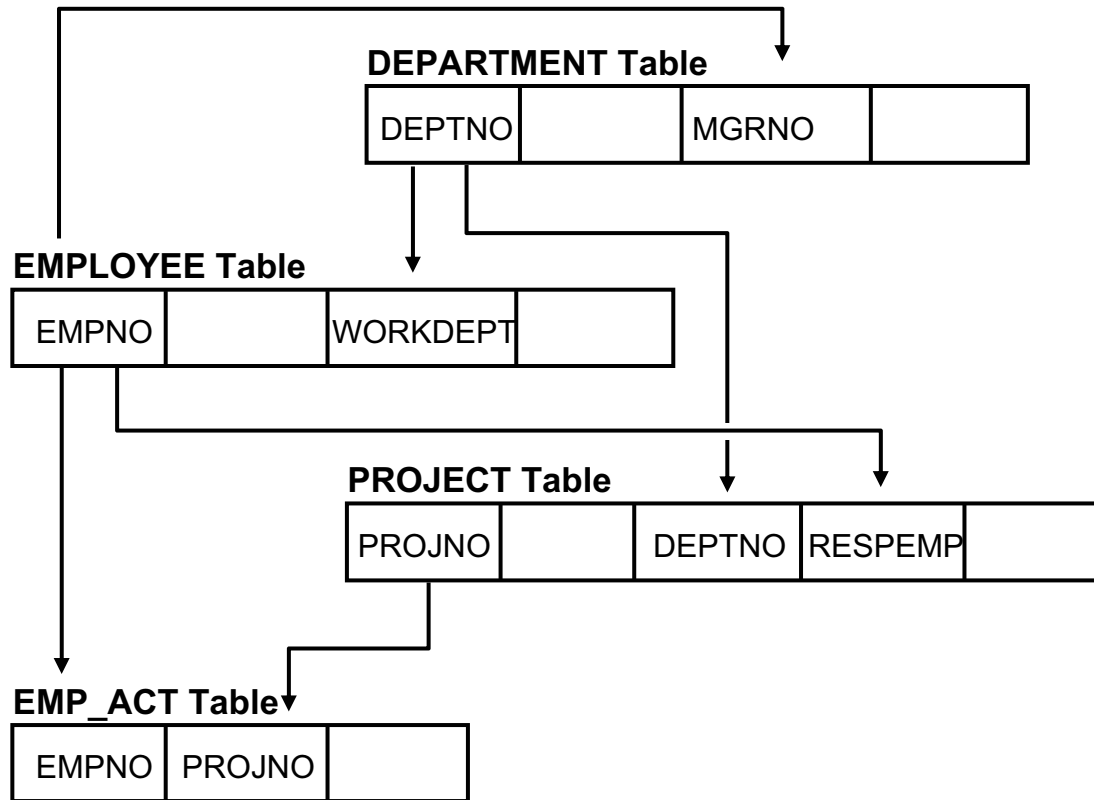
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Tables Used in the Exercises

Table Relationship



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Figure 0-1. Table Relationships

CF124.1

Notes:

This diagram illustrates the relationships between the tables used in the exercises for this course. The lines show the connection between the tables.

Table Descriptions

The tables are described in hierarchical order, as shown in Table Relationships on the previous page.

DEPARTMENT

There is one row in the DEPARTMENT table for each department in the company.

Column Name	Meaning	Data Type	NULLS allowed
DEPTNO	Department Number	CHAR(3)	N
DEPTNAME	Department Name	VARCHAR(36)	N
MGRNO	Employee Number of the Responsible Manager	CHAR(6)	Y
ADMRDEPT	Department Number of the Department to which the Department reports	CHAR(3)	N
LOCATION	Location Number	CHAR(5)	Y

EMPLOYEE

There is one row in the EMPLOYEE table for each of the employees in the company.

Column Name	Meaning	Data Type	NULLS allowed
EMPNO	Employee Number	CHAR(6)	N
FIRSTNME	First Name	VARCHAR(20)	N
MIDINIT	Middle Initial	CHAR(1)	N
LASTNAME	Last Name	VARCHAR(15)	N
WORKDEPT	Department in which the Employee Works	CHAR(3)	Y
PHONENO	Phone Number	CHAR(4)	Y
HIREDATE	Date of Hire	DATE	Y
JOB	Job	CHAR(8)	Y
EDLEVEL	Number of Years of Formal Education	SMALLINT	Y
SEX	Sex (M male, F female)	CHAR(1)	Y
BIRTHDATE	Date of Birth	DATE	Y
SALARY	Yearly Salary	DECIMAL(9, 2)	Y
BONUS	Yearly Bonus	DECIMAL(9, 2)	Y
COMM	Yearly Commission	DECIMAL(9, 2)	Y

PROJECT

There is one row in the PROJECT table for each project.

Column Name	Meaning	Data Type	NULLS allowed
PROJNO	Project Number	CHAR(6)	N
PROJNAME	Project Name	VARCHAR(24)	N
DEPTNO	Responsible Department	CHAR(3)	N
RESPEMP	Employee Number of the Responsible Employee	CHAR(6)	N
PRSTAFF	Estimated Mean Staffing	DECIMAL(5, 2)	Y
PRSTDATE	Estimated Start Date	DATE	Y
PRENDATE	Estimated End Date	DATE	Y
MAJPROJ	Major Project for a Subproject	CHAR(6)	Y

EMP_ACT

There are many rows in the EMP_ACT table for any employee or any project.

Column Name	Meaning	Data Type	NULLS allowed
EMPNO	Employee Number of Employee Performing the Activity	CHAR(6)	N
PROJNO	Project Number	CHAR(6)	N
ACTNO	Activity Number	SMALLINT	N
EMPTIME	Proportion of Employee's Time Spent on Project	DECIMAL(5, 2)	Y
EMSTDATE	Date Activity Starts	DATE	Y
EMENDATE	Date Activity Ends	DATE	Y

Table Content

DEPARTMENT table

DEPTNO	DEPTNAME	MGRNO	ADMRDEPT	LOCATION
-----	-----	-----	-----	-----
A00	SPIFFY COMPUTER SERVICE DIV.	000010	A00	
B01	PLANNING	000020	A00	
C01	INFORMATION CENTER	000030	A00	
D01	DEVELOPMENT CENTER	-	A00	
D11	MANUFACTURING SYSTEMS	000060	D01	
D21	ADMINISTRATION SYSTEMS	000070	D01	
E01	SUPPORT SERVICES	000050	A00	
E11	OPERATIONS	000090	E01	
E21	SOFTWARE SUPPORT	000100	E01	

EMPLOYEE table

EMPNO	FIRSTNAME	MIDINIT	LASTNAME	WORKDEPT	PHONENO	HIREDATE
000010	CHRISTINE	I	HAAS	A00	3978	1965-01-01
000020	MICHAEL	L	THOMPSON	B01	3476	1973-10-10
000030	SALLY	A	KWAN	C01	4738	1975-04-05
000050	JOHN	B	GEYER	E01	6789	1949-08-17
000060	IRVING	F	STERN	D11	6423	1973-09-14
000070	EVA	D	PULASKI	D21	7831	1980-09-30
000090	EILEEN	W	HENDERSON	E11	5498	1970-08-15
000100	THEODORE	Q	SPENSER	E21	0972	1980-06-19
000110	VINCENZO	G	LUCCHESE	A00	3490	1958-05-16
000120	SEAN		O'CONNELL	A00	2167	1963-12-05
000130	DOLORES	M	QUINTANA	C01	4578	1971-07-28
000140	HEATHER	A	NICHOLLS	C01	1793	1976-12-15
000150	BRUCE		ADAMSON	D11	4510	1972-02-12
000160	ELIZABETH	R	PIANKA	D11	3782	1977-10-11
000170	MASATOSHI	J	YOSHIMURA	D11	2890	1978-09-15
000180	MARILYN	S	SCOUTTEN	D11	1682	1973-07-07
000190	JAMES	H	WALKER	D11	2986	1974-07-26
000200	DAVID		BROWN	D11	4501	1966-03-03
000210	WILLIAM	T	JONES	D11	0942	1979-04-11
000220	JENNIFER	K	LUTZ	D11	0672	1968-08-29
000230	JAMES	J	JEFFERSON	D21	4265	1966-11-21
000240	SALVATORE	M	MARINO	D21	3780	1979-12-05
000250	DANIEL	S	SMITH	D21	0961	1969-10-30
000260	SYBIL	V	JOHNSON	D21	8953	1975-09-11
000270	MARIA	L	PEREZ	D21	9001	1980-09-30
000280	ETHEL	R	SCHNEIDER	E11	8997	1967-03-24
000290	JOHN	R	PARKER	E11	4502	1980-05-30
000300	PHILIP	X	SMITH	E11	2095	1972-06-19
000310	MAUDE	F	SETRIGHT	E11	3332	1964-09-12
000320	RAMLAL	V	MEHTA	E21	9990	1965-07-07
000330	WING		LEE	E21	2103	1976-02-23
000340	JASON	R	GOUNOT	E21	5698	1947-05-05

EMPLOYEE table (continued)

JOB	EDLEVEL	SEX	BIRTHDATE	SALARY	BONUS	COMM
PRES	18	F	1933-08-14	52750.00	1000.00	4220.00
MANAGER	18	M	1948-02-02	41250.00	800.00	3300.00
MANAGER	20	F	1941-05-11	38250.00	800.00	3060.00
MANAGER	16	M	1925-09-15	40175.00	800.00	3214.00
MANAGER	16	M	1945-07-07	32250.00	600.00	2580.00
MANAGER	16	F	1953-05-26	36170.00	700.00	2893.00
MANAGER	16	F	1941-05-15	29750.00	600.00	2380.00
MANAGER	14	M	1956-12-18	26150.00	500.00	2092.00
SALESREP	19	M	1929-11-05	46500.00	900.00	3720.00
CLERK	14	M	1942-10-18	29250.00	600.00	2340.00
ANALYST	16	F	1925-09-15	23800.00	500.00	1904.00
ANALYST	18	F	1946-01-19	28420.00	600.00	2274.00
DESIGNER	16	M	1947-05-17	25280.00	500.00	2022.00
DESIGNER	17	F	1955-04-12	22250.00	400.00	1780.00
DESIGNER	16	M	1951-01-05	24680.00	500.00	1974.00
DESIGNER	17	F	1949-02-21	21340.00	500.00	1707.00
DESIGNER	16	M	1952-06-25	20450.00	400.00	1636.00
DESIGNER	16	M	1941-05-29	27740.00	600.00	2217.00
DESIGNER	17	M	1953-02-23	18270.00	400.00	1462.00
DESIGNER	18	F	1948-03-19	29840.00	600.00	2387.00
CLERK	14	M	1935-05-30	22180.00	400.00	1774.00
CLERK	17	M	1954-03-31	28760.00	600.00	2301.00
CLERK	15	M	1939-11-12	19180.00	400.00	1534.00
CLERK	16	F	1936-10-05	17250.00	300.00	1380.00
CLERK	15	F	1953-05-26	27380.00	500.00	2190.00
OPERATOR	17	F	1936-03-28	26250.00	500.00	2100.00
OPERATOR	12	M	1946-07-09	15340.00	300.00	1227.00
OPERATOR	14	M	1936-10-27	17750.00	400.00	1420.00
OPERATOR	12	F	1931-04-21	15900.00	300.00	1272.00
FIELDREP	16	M	1932-08-11	19950.00	400.00	1596.00
FIELDREP	14	M	1941-07-18	25370.00	500.00	2030.00
FIELDREP	16	M	1926-05-17	23840.00	500.00	1907.00

PROJECT table

PROJNO	PROJNAME	DEPT	PR		PRSTDATE	PRENDATE	MAJPROJ
		NO	RESPEMP	STAFF			
AD3100	ADMIN SERVICES	D01	000010	6.50	1982-01-01	1983-02-01	-
AD3110	GENERAL AD SYSTEMS	D21	000070	6.00	1982-01-01	1983-02-01	AD3100
AD3111	PAYROLL PROGRAMMING	D21	000230	2.00	1982-01-01	1983-02-01	AD3110
AD3112	PERSONNEL PROGRAMMG	D21	000250	1.00	1982-01-01	1983-02-01	AD3110
AD3113	ACCOUNT.PROGRAMMING	D21	000270	2.00	1982-01-01	1983-02-01	AD3110
IF1000	QUERY SERVICES	C01	000030	2.00	1982-01-01	1983-02-01	-
IF2000	USER EDUCATION	C01	000030	1.00	1982-01-01	1983-02-01	-
MA2100	WELD LINE AUTOMATION	D01	000010	12.00	1982-01-01	1983-02-01	-
MA2110	W L PROGRAMMING	D11	000060	9.00	1982-01-01	1983-02-01	MA2100
MA2111	W L PROGRAM DESIGN	D11	000220	2.00	1982-01-01	1982-12-01	MA2110
MA2112	W L ROBOT DESIGN	D11	000150	3.00	1982-01-01	1982-12-01	MA2110
MA2113	W L PROD CONT PROGS	D11	000160	3.00	1982-02-15	1982-12-01	MA2110
OP1000	OPERATION SUPPORT	E01	000050	6.00	1982-01-01	1983-02-01	-
OP1010	OPERATION	E11	000090	5.00	1982-01-01	1983-02-01	OP1000
OP2000	GEN SYSTEMS SERVICES	E01	000050	5.00	1982-01-01	1983-02-01	-
OP2010	SYSTEMS SUPPORT	E21	000100	4.00	1982-01-01	1983-02-01	OP2000
OP2011	SCP SYSTEMS SUPPORT	E21	000320	1.00	1982-01-01	1983-02-01	OP2010
OP2012	APPLICATIONS SUPPORT	E21	000330	1.00	1982-01-01	1983-02-01	OP2010
OP2013	DB/DC SUPPORT	E21	000340	1.00	1982-01-01	1983-02-01	OP2010
PL2100	WELD LINE PLANNING	B01	000020	1.00	1982-01-01	1982-09-15	MA2100

EMP_ACT table

EMPNO	PROJNO	ACTNO	EMPTIME	EMSTDATE	EMENDATE
-----	-----	-----	-----	-----	-----
000010	AD3100	10	0.50	1982-01-01	1982-07-01
000070	AD3110	10	1.00	1982-01-01	1983-02-01
000230	AD3111	60	1.00	1982-01-01	1982-03-15
000230	AD3111	60	0.50	1982-03-15	1982-04-15
000230	AD3111	70	0.50	1982-03-15	1982-10-15
000230	AD3111	80	0.50	1982-04-15	1982-10-15
000230	AD3111	180	1.00	1982-10-15	1983-01-01
000240	AD3111	70	1.00	1982-02-15	1982-09-15
000240	AD3111	80	1.00	1982-09-15	1983-01-01
000250	AD3112	60	0.50	1982-02-01	1982-03-15
000250	AD3112	60	1.00	1982-01-01	1982-02-01
000250	AD3112	60	1.00	1983-01-01	1983-02-01
000250	AD3112	60	0.50	1982-12-01	1983-01-01
000250	AD3112	70	1.00	1982-03-15	1982-08-15
000250	AD3112	70	0.50	1982-02-01	1982-03-15
000250	AD3112	70	0.25	1982-08-15	1982-10-15
000250	AD3112	80	0.25	1982-08-15	1982-10-15
000250	AD3112	80	0.50	1982-10-15	1982-12-01
000250	AD3112	180	0.50	1982-08-15	1983-01-01
000260	AD3113	70	0.50	1982-06-15	1982-07-01
000260	AD3113	70	1.00	1982-07-01	1983-02-01
000260	AD3113	80	1.00	1982-01-01	1982-03-01
000260	AD3113	80	0.50	1982-03-01	1982-04-15
000260	AD3113	180	0.50	1982-03-01	1982-04-15
000260	AD3113	180	0.50	1982-06-01	1982-07-01
000260	AD3113	180	1.00	1982-04-15	1982-06-01
000270	AD3113	60	0.25	1982-09-01	1982-10-15
000270	AD3113	60	1.00	1982-04-01	1982-09-01
000270	AD3113	60	0.50	1982-03-01	1982-04-01
000270	AD3113	70	0.75	1982-09-01	1982-10-15
000270	AD3113	70	1.00	1982-10-15	1983-02-01
000270	AD3113	80	1.00	1982-01-01	1982-03-01
000270	AD3113	80	0.50	1982-03-01	1982-04-01
000030	IF1000	10	0.50	1982-06-01	1983-01-01
000130	IF1000	90	1.00	1982-01-01	1982-10-01
000130	IF1000	100	0.50	1982-10-01	1983-01-01
000140	IF1000	90	0.50	1982-10-01	1983-01-01

EMP_ACT table (continued)

EMPNO	PROJNO	ACTNO	EMPTIME	EMSTDATE	EMENDATE
-----	-----	-----	-----	-----	-----
000030	IF2000	10	0.50	1982-01-01	1983-01-01
000140	IF2000	100	1.00	1982-01-01	1982-03-01
000140	IF2000	100	0.50	1982-03-01	1982-07-01
000140	IF2000	110	0.50	1982-03-01	1982-07-01
000140	IF2000	110	0.50	1982-10-01	1983-01-01
000010	MA2100	10	0.50	1982-01-01	1982-11-01
000110	MA2100	20	1.00	1982-01-01	1982-03-01
000010	MA2110	10	1.00	1982-01-01	1983-02-01
000200	MA2111	50	1.00	1982-01-01	1982-06-15
000200	MA2111	60	1.00	1982-06-15	1983-02-01
000220	MA2111	40	1.00	1982-01-01	1983-02-01
000150	MA2112	60	1.00	1982-01-01	1982-07-15
000150	MA2112	180	1.00	1982-07-15	1983-02-01
000170	MA2112	60	1.00	1982-01-01	1983-06-01
000170	MA2112	70	1.00	1982-06-01	1983-02-01
000190	MA2112	70	1.00	1982-02-01	1982-10-01
000190	MA2112	80	1.00	1982-10-01	1983-10-01
000160	MA2113	60	1.00	1982-07-15	1983-02-01
000170	MA2113	80	1.00	1982-01-01	1983-02-01
000180	MA2113	70	1.00	1982-04-01	1982-06-15
000210	MA2113	80	0.50	1982-10-01	1983-02-01
000210	MA2113	180	0.50	1982-10-01	1983-02-01
000050	OP1000	10	0.25	1982-01-01	1983-02-01
000090	OP1010	10	1.00	1982-01-01	1983-02-01
000280	OP1010	130	1.00	1982-01-01	1983-02-01
000290	OP1010	130	1.00	1982-01-01	1983-02-01
000300	OP1010	130	1.00	1982-01-01	1983-02-01
000310	OP1010	130	1.00	1982-01-01	1983-02-01
000050	OP2010	10	0.75	1982-01-01	1983-02-01
000100	OP2010	10	1.00	1982-01-01	1983-02-01
000320	OP2011	140	0.75	1982-01-01	1983-02-01
000320	OP2011	150	0.25	1982-01-01	1983-02-01
000330	OP2012	140	0.25	1982-01-01	1983-02-01
000330	OP2012	160	0.75	1982-01-01	1983-02-01
000340	OP2013	140	0.50	1982-01-01	1983-02-01
000340	OP2013	170	0.50	1982-01-01	1983-02-01
000020	PL2100	30	1.00	1982-01-01	1982-09-15

