Appendix A
More Datasets

Small Town Community College

The record layouts for the files of the Small Town Community College database are described in detail in chapter 1. The entire database is shown here for completeness:

STUDENT

SID	SNAME	SSEX	SMAR
713	HILMER, D.R.	F	M
421	QUALLS, G.E.	M	S
701	ARIAS, I.L.	F	M
125	MORALES, L.A.	F	M
896	QUALLS, D.M.	F	S
626	MERCIER, J.L.	F	M
402	FOOTE, A.K.	F	M
263	HAVLIK, K.M.	M	M

COURSE

CID	CDESC	CHRS
AC101	ACCOUNTING	3
BU101	BUSINESS	3
EG101	ENGLISH I	3
EG102	ENGLISH II	3
MA101	ALGEBRA	3
MA107	STATISTICS	3
PE121	FIRST AID	1
PE151	AEROBICS	1

TEACHER

TID	TNAME	TDEG	TTEN	TPHONE
732	BENSON, E.T.	PHD	N	5156
218	HINCKLEY, G.B.	MBA	N	5509
854	KIMBALL, S.W.	PHD	Y	5594
626	YOUNG, B.	MBA	Y	5664
574	SMITH, J.	MS	Y	5320

OFFER

SEM	CID	SECT	TID	ROOM
W92	EG102	1	732	A1
W92	MA107	1	218	A2
W92	PE151	1	574	GYM
F92	AC101	1	218	B1
F92	BU101	1	218	B1
F92	EG101	1	732	A1
F92	EG101	2	732	A1
F92	MA101	1	626	A2
F92	MA101	2	626	A2
F92	PE151	1	574	GYM
W93	EG102	1	854	A1
W93	MA101	1	626	A2
W93	MA107	1	626	A3
W93	PE151	1	574	GYM

GRADE

SID	SEM	CID	SECT	GRADE
626	W92	EG102	1	A
896	W92	PE151	1	A
263	W92	PE151	1	C
896	F92	AC101	1	C
896	F92	BU101	1	C
896	F92	EG101	1	A
713	F92	EG101	2	C
421	F92	EG101	2	B
713	F92	MA101	1	B
896	F92	MA101	1	B
125	F92	MA101	2	F
701	F92	MA101	2	B
263	F92	PE151	1	B
701	F92	PE151	1	A
713	W93	EG102	1	B
421	W93	EG102	1	A
896	W93	EG102	1	B
125	W93	MA101	1	C
713	W93	MA107	1	B
896	W93	MA107	1	A
701	W93	MA107	1	D
263	W93	PE151	1	A

Small Town Hardware Store

TOOL

TID	TDESC	TCOST	TSELL	TQOH	TMIN	TEOQ	TQOO
H4	HAMMER 4 OZ	4.20	6.99	5	4	3	0
H8	HAMMER 8 OZ	5.40	9.99	4	4	6	0
PLL	PLIERS LARGE	4.25	8.99	2	3	3	3
PLM	PLIERS MED	3.60	6.99	0	3	6	0
PLS	PLIERS SMALL	3.00	4.99	4	3	6	0
SPL	DRIVER PHPS LARGE	3.00	4.99	7	6	3	0
SPM	DRIVER PHPS MED	2.40	3.99	4	6	6	6
SPS	DRIVER PHPS SMALL	1.80	2.99	4	6	6	0
SSL	DRIVER STD LARGE	3.00	4.99	9	6	3	0
SSM	DRIVER STD MED	2.40	3.99	9	6	6	0
SSS	DRIVER STD SMALL	1.80	2.99	8	6	6	0
WP2	WRAP 2 PC PLIERS	0.30	0.00	7	3	6	0
WP3	WRAP 3 PC PLIERS	0.40	0.00	9	3	6	0
WSD	WRAP 6 PC DRIVER	0.50	0.00	4	3	6	0
WSP	WRAP 3 PC PHPS DRIVER	0.30	0.00	2	3	6	6
WSS	WRAP 3 PC STD DRIVER	0.30	0.00	2	3	6	0

KIT

KID	KDESC	KSELL
KP2	PLIERS 2 PC KIT	14.99
KP3	PLIERS 3 PC KIT	17.99
KSD	DRIVER DELUXE 6 PC KIT	16.99
KSP	DRIVER PHPS 3 PC KIT	9.99
KSS	DRIVER STD 3 PC KIT	9.99

SALES

TID	TSOLD
H4	2
PLL	1
PLS	1
SPM	2
SSL	2
SSM	3

EXPLANATION OF VARIABLES

QOH	Quantity On Hand
MIN	Minimum Quantity
EOQ	Economic Order Quantity
QOO	Quantity On Order

MAKEUP

KID	TID
KP2	PLL
KP2	PLM
KP2	WP2
KP3	PLL
KP3	PLM
KP3	PLS
KP3	WP3
KSD	SPL
KSD	SPM
KSD	SPS
KSD	SSL
KSD	SSM
KSD	SSS
KSD	WSD
KSP	SPL
KSP	SPM
KSP	SPS
KSP	WSP
KSS	SSL
KSS	SSM
KSS	SSS
KSS	WSS

Small Town Hardware Store (continued)

The following record layout describes the TOOL file:

Field Nbr	Field Name	Description	Begins	Ends	Len	Format
1	TID	Tool ID	1	3	3	CH
2	TDESC	Tool Description	4	25	22	CH
3	TCOST	Tool cost each	26	30	5	999V99
4	TSELL	Tool sells for	31	35	5	999V99
5	TQOH	Qty on hand	36	38	3	ZD
6	TMIN	Minimum qty	39	41	3	ZD
7	TEOQ	Economic Order qty	42	44	3	ZD
8	TQOO	Qty on order	45	47	3	ZD
9	TCRLF	PC/370 Only	48	49	2	CR/LF

The following record layout describes the KIT file:

Field Nbr	Field Name	Description	Begins	Ends	Len	Format
1	KID	Kit ID	1	3	3	CH
2	KDESC	Kit Description	4	25	22	CH
3	KSELL	Kit sells for	26	30	5	999V99
4	KCRLF	PC/370 Only	31	32	2	CR/LF

The following record layout describes the SALES file:

Field Nbr	Field Name	Description	Begins	Ends	Len	Format
1	TID	Tool ID	1	3	3	CH
2	TSOLD	Qty sold	4	6	3	ZD
3	SCRLF	PC/370 Only	7	8	2	CR/LF

The following record layout describes the MAKEUP file:

Field Nbr	Field Name	Description	Begins	Ends	Len	Format
1	KID	Kit ID	1	3	3	CH
2	TID	Tool ID	4	6	3	ZD
3	MCRLF	PC/370 Only	7	8	2	CR/LF

Small Town Hardware Store (continued)

```
TOOL.DAT
H4 HAMMER 4OZ          0042000699005004003000
H8 HAMMER 8OZ          0054000999004004006000
PLLPLIERS LARGE        0042500899002003003003
PLMPLIERS MED          0036000699000003006000
PLSPLIERS SMALL        0030000499004003006000
SPLDRIVER PHPS LARGE   0030000499007006003000
SPMDRIVER PHPS MED     0024000399004006006006
SPSDRIVER PHPS SMALL   0018000299004006006000
SSLDRIVER STD LARGE    0030000499006006003000
SSMDRIVER STD MED      0024000399009006006000
SSSDRIVER STD SMALL    0018000299008006006000
WP2WRAP 2 PC PLIERS    0003000000007003006000
WP3WRAP 3 PC PLIERS    0004000000009003006000
WSDWRAP 6 PC DRIVER    0005000000004003006000
WSPWRAP 3 PC PHPS DRIVER 0003000000002003006006
WSSWRAP 3 PC STD DRIVER  0003000000002003006000
```

```
KIT.DAT
KP2PLIERS 2 PC KIT       01499
KP3PLIERS 3 PC KIT       01799
KSDDRIVER DELUXE 6 PC KIT01699
KSPDRIVER PHPS 3 PC KIT  00999
KSSDRIVER STD 3 PC KIT   00999
```

```
SALES.DAT
H4 002
PLL001
PLS001
SPM002
SSL002
SSM003
```

```
MAKEUP.DAT
KP2PLL
KP2PLM
KP2WP2
KP3PLL
KP3PLM
KP3PLS
KP3WP3
KSDSPL
KSDSPM
KSDSPS
KSDSSL
KSDSSM
KSDSSS
KSDWSD
KSPSPL
KSPSPM
KSPSPS
KSPWSP
KSSSSL
KSSSSM
KSSSSS
KSSWSS
```

Small Town Blood Bank

DONOR

DID	DLNAME	DFNAME	DPHONE	DSEX	DTYPE
1	THOMAS	SCOT	517-5602	M	A-
2	TINOLY	AL	517-5637	M	B+
3	KOONS	DEBBIE	517-5608	F	AB+
4	BENNETT	KRISTY	517-5613	F	O+
5	MCMAHON	ROBERTA	517-5727	F	O-
6	QUALLS	BILL	517-4366	M	O-

GROUP

GID	GNAME
0	NO PREFERENCE
1	BSA TROOP 22
2	SMALL TOWN PTO

DONATION

DID	GID	DATE
1	1	2/1/92
2	1	2/1/92
4	1	2/1/92
6	1	2/1/92
5	0	3/1/92
3	2	4/1/92
3	2	7/1/92
3	2	10/1/92
6	0	12/1/92
2	0	12/15/92
3	2	1/2/93
1	1	2/10/93
2	1	2/10/93
4	1	2/10/93
6	1	2/10/93
3	2	4/15/93
3	2	7/20/93

Small Town Blood Bank (continued)

The following record layout describes the DONOR file:

Field Nbr	Field Name	Description	Begins	Ends	Len	Format
1	DID	Donor ID	1	3	3	ZD
2	DLNAME	Donor last name	4	13	10	CH
3	DFNAME	Donor first name	14	23	10	CH
4	DPHONE	Donor phone	24	30	7	CH
5	DSEX	Donor gender	31	31	1	M/F
6	DTYPE	Donor's blood type	32	34	3	CH
7	DCRLF	PC/370 Only	35	36	2	CR/LF

The following record layout describes the GROUP file:

Field Nbr	Field Name	Description	Begins	Ends	Len	Format
1	GID	Group ID	1	3	3	ZD
2	GNAME	Group name	4	23	20	CH
3	GCRLF	PC/370 Only	24	25	2	CR/LF

The following record layout describes the DONATION file:

Field Nbr	Field Name	Description	Begins	Ends	Len	Format
1	DID	Donor ID	1	3	3	ZD
2	GID	Group ID (credit)	4	6	3	ZD
3	DATE	Donation date	7	12	6	MMDDYY
4	HCRLF	PC/370 Only	13	14	2	CR/LF

Small Town Blood Bank (continued)

DONOR.DAT
```
001THOMAS     SCOT      5175602MA-          Don't forget the trailing spaces!
002TINOLY     AL        5175637MB+
003KOONS      DEBBIE    5175608FAB+
004BENNETT    KRISTY    5175613FO+
005MCMAHON    ROBERTA   5175727FO-
006QUALLS     BILL      5174366MO-
```

GROUP.DAT
```
000NO PREFERENCE                            Don't forget the trailing spaces!
001BSA TROOP 22
002SMALL TOWN PTO
```

DONATION.DAT
```
001001020192
002001020192
004001020192
006001020192
005000030192
003002040192
003002070192
003002100192
006000120192
002000121592
003002010293
001001021093
002001021093
004001021093
006001021093
003002041593
003002072093
```

Small Town Self-Storage

CUST

CID	CNAME	CPHONE
Q1497	QUILTY, CECELIA	358-1497
T3396	TWOHEY, JANICE	337-3396
S1894	SHADDLE, JOHN	337-1894
G6918	GRIMES, MARY	360-6918
D3764	DIENST, TERESA	358-3764

LOCKER

LID	LTYPE	CID	PDTHRU
1	C	S1894	3/31/93
2	A		
3	A	T3396	3/31/93
4	A		
5	A		
6	B	D3764	4/30/93
7	B		
8	B		
9	B		
10	A		
11	A	Q1497	2/28/93
12	A		
13	A		

RATE

LTYPE	SIZE	RATE
A	5x10	25.00
B	10x10	40.00
C	10x20	75.00

Map of Small Town Self-Storage

1	2	3	4	5	6	7
(C)	(A)				(B)	
	13	12	11	10	9	8

Small Town Self-Storage (continued)

The following record layout describes the CUSTOMER file:

Field Nbr	Field Name	Description	Begins	Ends	Len	Format
1	CID	Customer ID *(Usually last initial and last 4 digits of phone)*	1	5	5	CH
2	CNAME	Customer name *(Last name, first name)*	6	25	20	CH
3	CPHONE	Customer phone *(No hyphen)*	26	32	7	ZD
4	CCRLF	PC/370 Only	33	34	2	CR/LF

The following record layout describes the RATE file:

Field Nbr	Field Name	Description	Begins	Ends	Len	Format
1	LTYPE	Locker type	1	1	1	CH
2	SIZE	Locker size	2	11	10	CH
3	RATE	Rental rate	12	16	5	999V99
4	RCRLF	PC/370 Only	17	18	2	CR/LF

The following record layout describes the LOCKER file:

Field Nbr	Field Name	Description	Begins	Ends	Len	Format
1	LID	Locker ID	1	2	2	ZD
2	LTYPE	Locker type	3	3	1	CH
3	CID	Customer ID *(Blanks if vacant)*	4	8	5	CH
4	PDTHRU	Paid thru date	9	14	6	MMDDYY
5	LCRLF	PC/370 Only	15	16	2	CR/LF

Small Town Self-Storage (continued)

CUST.DAT
```
Q1497QUILTY, CECELIA      3581497
T3396TWOHEY, JANICE       3373396
S1894SHADDLE, JOHN        3371894
G6918GRIMES, MARY         3606918
D3764DIENST, TERESA       3583764
```

RATE.DAT
```
A5x10      02500
B10x10     04000
C10x20     07500
```

LOCKER.DAT
```
01CS1894033193              Don't forget the trailing spaces!
02A
03AT3396033193
04A
05A
06BD3764043093
07B
08B
09B
10AQ1497022893
12A
13A
```

___

Small Town Payroll

EMPL

ENUM	LNAME	FNAME	DEPT	RATE	TYPE
211	DAYLEY	BRIAN	A	6.00	H
270	DAYLEY	CINDY	B	300.00	S
601	STEELE	DOUG	A	5.00	H
719	ALFORD	BRIAN	B	4.50	H
828	GOYAK	DEBBIE	A	320.00	S
857	ALFORD	MARK	B	5.00	H

HISTORY

ENUM	PPED	HOURS	GROSS
211	12/26/92	30.00	165.00
270	12/26/92	40.00	300.00
601	12/26/92	30.00	150.00
828	12/26/92	40.00	300.00
211	1/2/93	30.00	180.00
270	1/2/93	45.00	300.00
601	1/2/93	50.00	275.00
719	1/2/93	20.00	90.00
828	1/2/93	40.00	320.00
857	1/2/93	30.00	150.00

THISPP

ENUM	HOURS
601	30.00
828	42.00
270	35.00
211	25.00
719	30.00

SUPV

DEPT	ENUM
A	828
B	270

NOTES
(1) This is payroll database as of 1/9/93.
(2) Brian Dayley got a raise from $5.50 per hour to $6.00 per hour effective 12/27/92.
(3) Debbie Goyak got a raise from $300.00 per week to $320.00 per week effective 12/27/92.
(4) Salaried employees are paid a fixed amount regardless of the number of hours.
(5) Hourly employees are paid time-and-a-half for hours over forty.
(6) THISPP = This Pay Period
(7) PPED = Pay Period Ending Date.

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Small Town Payroll (continued)

The following record layout describes the EMPL file:

Field Nbr	Field Name	Description	Begins	Ends	Len	Format
1	ENUM	Employee number	1	3	3	ZD
2	LNAME	Last name	4	13	10	CH
3	FNAME	First name	14	23	10	CH
4	DEPT	Department	24	24	1	CH
5	RATE	Pay rate	25	29	5	999V99
6	TYPE	Rate type	30	30	1	H or S
7	ECRLF	PC/370 Only	31	32	2	CR/LF

The following record layout describes the HISTORY file:

Field Nbr	Field Name	Description	Begins	Ends	Len	Format
1	ENUM	Employee number	1	3	3	ZD
2	PPED	Pay period ending date	4	9	6	MMDDYY
3	HOURS	Hours this pay period	10	13	4	99V99
4	GROSS	Gross pay	14	18	5	999V99
5	HCRLF	PC/370 Only	19	20	2	CR/LF

The following record layout describes the THISPP file:

Field Nbr	Field Name	Description	Begins	Ends	Len	Format
1	ENUM	Employee number	1	3	3	ZD
2	HOURS	Hours this pay period	4	7	4	99V99
3	TCRLF	PC/370 Only	8	9	2	CR/LF

The following record layout describes the SUPV file:

Field Nbr	Field Name	Description	Begins	Ends	Len	Format
1	DEPT	Department	1	1	1	CH
2	ENUM	Employee number	2	4	3	ZD
3	SCRLF	PC/370 Only	5	6	2	CR/LF

Small Town Payroll (continued)

EMPL.DAT
```
211DAYLEY     BRIAN     A00600H
270DAYLEY     CINDY     B30000S
601STEELE     DOUG      A00500H
719ALFORD     BRIAN     B00450H
828GOYAK      DEBBIE    A32000S
857ALFORD     MARK      B00500H
```

HISTORY.DAT
```
211122692300016500
270122692400030000
601122692300015000
828122692400030000
211010293300018000
270010293450030000
601010293500027500
719010293200009000
828010293400032000
857010293300015000
```

THISPP.DAT
```
6013000
8284200
2703500
2112500
7193000
```

SUPV.DAT
```
A828
B270
```