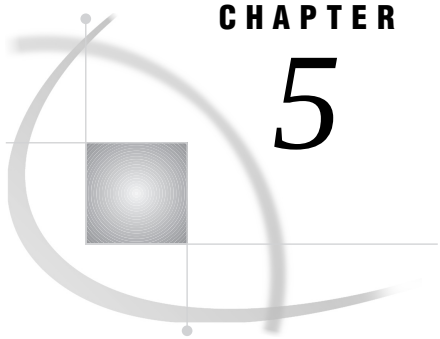


CHAPTER 5

Browsing and Updating CA-DATACOM/DB Data

Introduction

The SAS/ACCESS interface to CA-DATACOM/DB enables you to browse and update your CA-DATACOM/DB data directly from a SAS session or program. This chapter shows you how to use SAS procedures to browse and update CA-DATACOM/DB data described by SAS/ACCESS view descriptors.

Most of the examples in this chapter use the view descriptor VLIB.USACUST that you created in Chapter 3, “Defining SAS/ACCESS Descriptor Files,” on page 15. See Appendix 3, “Data and Descriptors for the Examples,” on page 125 for definitions of the view descriptors referenced in this chapter. This appendix also contains the CA-DATACOM/DB tables and SAS data files used in this book.

Refer to Chapter 2, “CA-DATACOM/DB Essentials,” on page 7 and Appendix 1, “Information for the Database Administrator,” on page 105 for more information on retrieval processing, update processing, and locks.

Browsing and Updating with the SAS/FSP Procedures

If your site has SAS/FSP software as well as SAS/ACCESS software, you can browse and update CA-DATACOM/DB data described by a view descriptor from within a SAS program.

You have a choice of three SAS/FSP procedures: FSBROWSE, FSEDIT, and FSVIEW. The FSBROWSE and FSEDIT procedures show you one data record at a time, while the FSVIEW procedure displays multiple records in a tabular format similar to the PRINT

procedure. PROC FSVIEW enables you to browse or update CA-DATACOM/DB data, depending on which option you choose. You cannot use the FSBROWSE, FSEDIT, or FSVIEW procedures on an access descriptor.

To scroll through the data, use the FORWARD and BACKWARD commands. To end your browse or edit session, issue the END command.

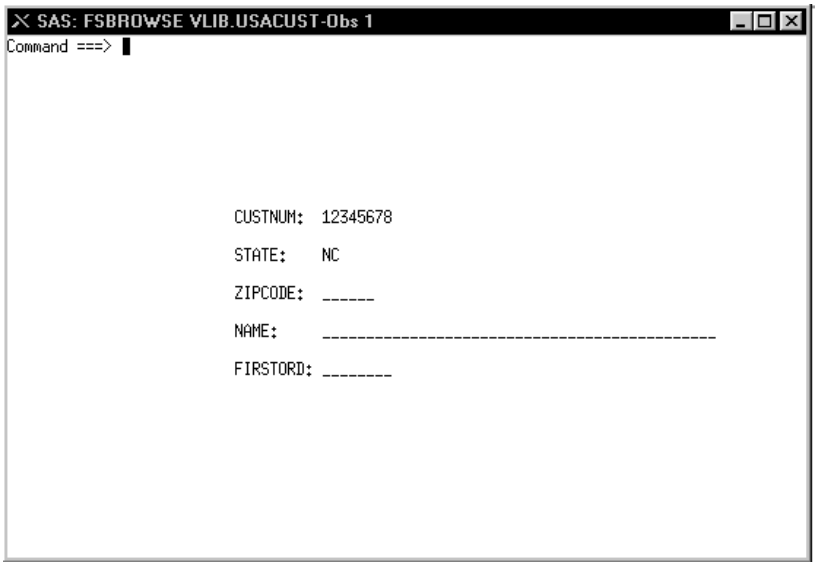
Using the FSBROWSE Procedure

The FSBROWSE procedure enables you to look at CA-DATACOM/DB data but not to change it. To use PROC FSBROWSE, submit the following SAS statements:

```
proc fsbrowse data=vlib.usacust;
run;
```

The FSBROWSE procedure retrieves one record at a time from a CA-DATACOM/DB table. Display 5.1 on page 46 shows the first record of the USA customers' data described by the VLIB.USACUST view descriptor. To browse each record, use the FORWARD and BACKWARD commands.

Display 5.1 FSBROWSE Window



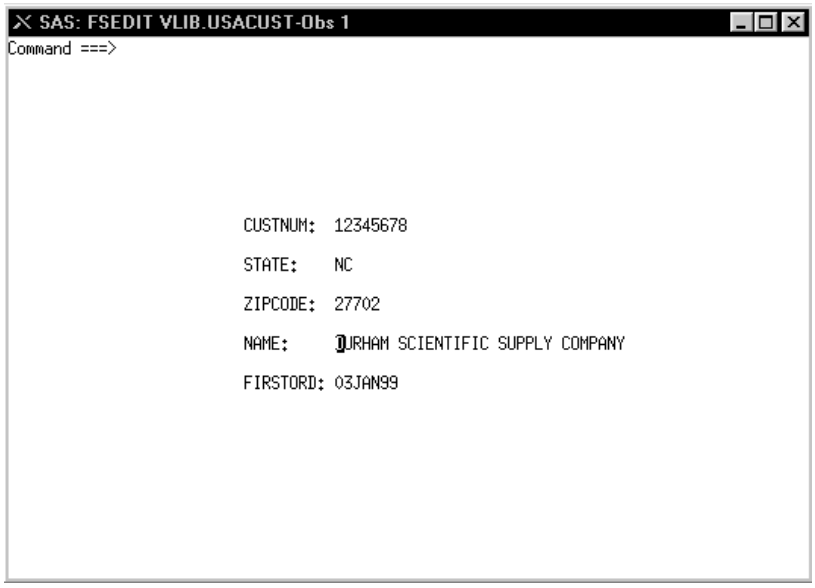
Using the FSEDIT Procedure

The FSEDIT procedure enables you to update CA-DATACOM/DB data described by a view descriptor. For example, in Display 5.1 on page 46 the ZIPCODE, NAME, and FIRSTORD values are missing in the first record. You can add values to these fields with the FSEDIT procedure.

To use PROC FSEDIT, submit the following SAS statements:

```
proc fsedit data=vlib.usacust;
run;
```

Display 5.2 FSEDIT Window



The FSEDIT procedure also retrieves one record at a time. To edit a record, scroll to it, and type in the new data after the appropriate label. For example, enter the information about the **DURHAM SCIENTIFIC SUPPLY COMPANY**, as shown in Display 5.2 on page 47. To end your editing session, issue the END command.

Note: To cancel an edit, you must do so before you scroll. The CANCEL command does not cancel your editing changes; it redisplays the record as it was before you began to edit it. Once you scroll, the changes are committed. △

Note: The data are presented in order by the Default Key value (usually the Native Key) unless the view descriptor contains a SORT clause. △

Using the FSVIEW Procedure

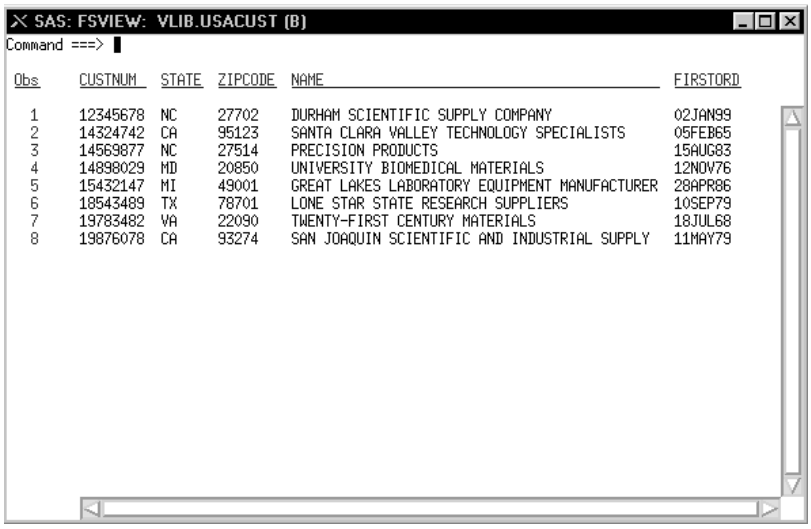
Depending on how you invoke the FSVIEW procedure, you can either browse or update data using a view descriptor.

Using the FSVIEW Procedure to Browse CA-DATACOM/DB Data

To browse CA-DATACOM/DB data, submit the PROC FSVIEW statement as follows:

```
proc fsview data=vlib.usacust;
run;
```

Display 5.3 FSVIEW Window



PROC FSVIEW displays the data in a listing format instead of one observation at a time, as shown in Display 5.3 on page 48. Browse mode is the default for the FSVIEW procedure. Notice that a (B) for browse follows the view descriptor's name and that the values in the first record reflect the changes made using the FSEDIT procedure in the previous example.

To see the rest of the table's data, scroll the display to the right several times by issuing the RIGHT command on the command line or by using the function key assigned to this command.

Note: The data are presented in order by the Default Key value (usually the Native Key) unless the view descriptor contains a SORT clause. If the view descriptor contains a WHERE clause but no SORT clause, the order is unpredictable. △

Using the FSVIEW Procedure to Update CA-DATACOM/DB Data

To edit CA-DATACOM/DB data with PROC FSVIEW, submit the FSVIEW statement as follows:

```
proc fsview data=vlib.usacust modify;
run;
```

The word "EDIT" can be used instead of MODIFY. The display will be the same as Display 5.3 on page 48 except that an (E) for edit will be displayed.

Note: Any update in the FSVIEW window is final. The CANCEL command in the FSVIEW window does *not* cancel your changes, whether or not you have scrolled. △

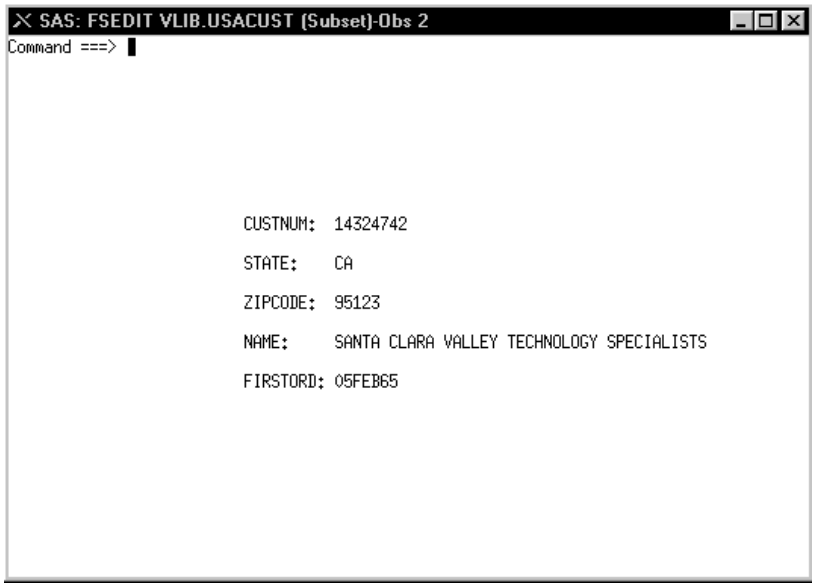
Specifying a WHERE Clause While Browsing or Editing

You can specify a WHERE statement to subset CA-DATACOM/DB data when you invoke the SAS/FSP procedures. You can also use a WHERE command to do the same thing after you have invoked one of the SAS/FSP procedures.

In the following example, a WHERE statement is used to retrieve only customers from California. Display 5.4 on page 49 shows the FSEDIT window after the statements have been submitted.

```
proc fsedit data=vlib.usacust;
   where state='CA';
run;
```

Display 5.4 FSEDIT Window After SAS WHERE Statement

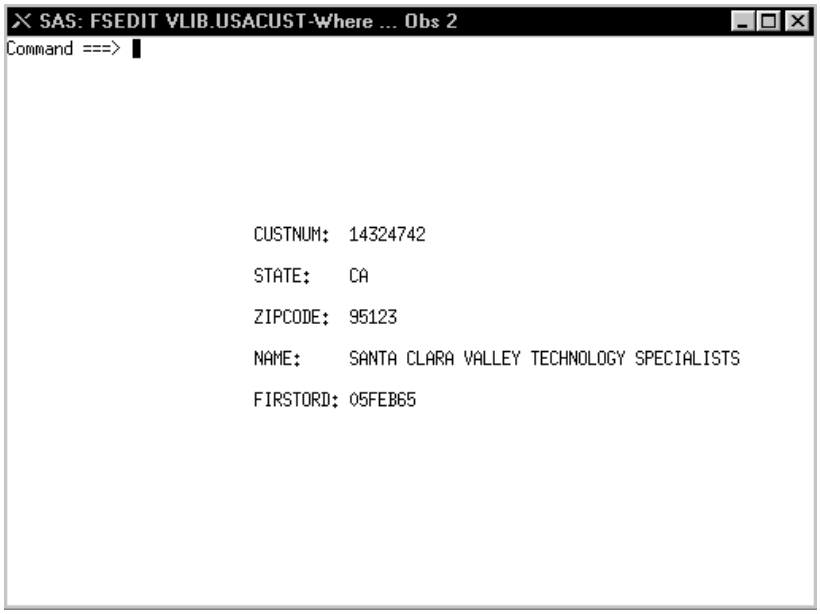


Only two records with a STATE value of CA are retrieved for editing. Note that the word (Subset) appears after VLIB.USACUST in the window title to remind you that the data retrieved are a subset of the data described by the view descriptor. You can then edit each record by typing over the information you want to modify. Issue the END command to end your editing session. If you want to cancel changes to a record, you can issue the CANCEL command before you scroll. Once you scroll though, the change is committed.

You can also use a SAS WHERE command to display a subset of your data. A WHERE command is a SAS WHERE expression that is entered on the command line. Display 5.5 on page 50 shows how the FSEDIT display appears when the subset is generated within the procedure with the following WHERE command:

```
where state='CA'
```

Display 5.5 FSEDIT Window After SAS Window After SAS WHERE Command



Only the two records with a STATE value of CA are retrieved for editing. Where... appears after VLIB.USACUST in the window title to remind you that the data retrieved are a subset of the data described by the view descriptor. You can then edit each record, as described earlier.

Although these examples have shown a WHERE clause with the FSEDIT procedure, you can also retrieve a subset of the data when using the FSBROWSE and FSVIEW procedures. For more information on the SAS WHERE statement, see the *SAS Language Reference: Dictionary*. For more information on the SAS WHERE command within the SAS/FSP procedures, refer to the *SAS/FSP Software: Usage and Reference*.

Inserting and Deleting Data Records with the SAS/FSP Procedures

Inserting and deleting records with the SAS/FSP procedures is different for view descriptors than for SAS data files.

You can use the FSEDIT and FSVIEW procedures to insert records into a CA-DATACOM/DB table on which a view descriptor is based. Insertion of new records also depends on the attributes assigned to the Master Key and whether the Master Key is included in your view descriptor. For example, if the DUPE-MASTER-KEY attribute is set to N (no), values for the Master Key cannot be duplicated. You will receive an error message if you try to insert a record having a Master Key value that duplicates an existing value. Therefore, be sure to define your view descriptors carefully if you intend to use them to insert records into a CA-DATACOM/DB table.

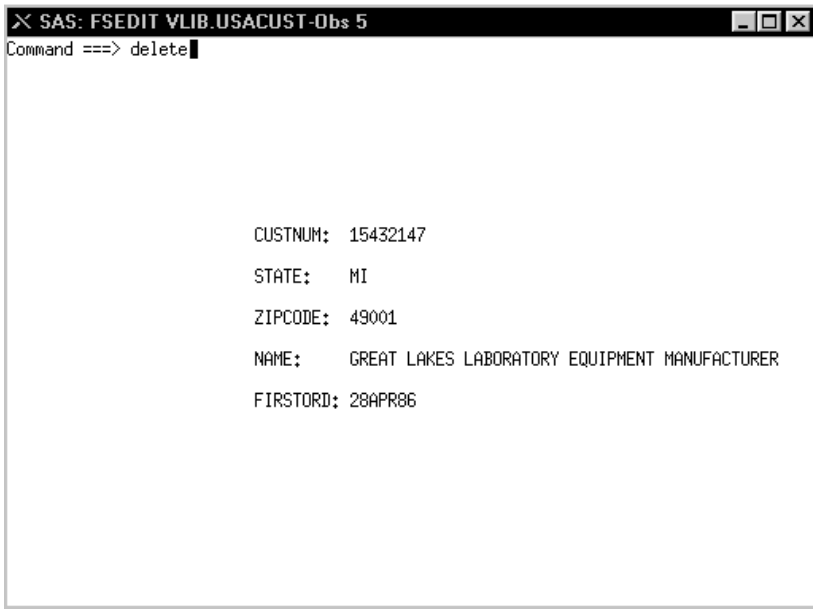
Refer to Appendix 1, “Information for the Database Administrator,” on page 105 for details on inserting data. Refer to *SAS/FSP Software: Usage and Reference* for information on how to use insertion commands such as ADD and DUP in the FSEDIT procedure and AUTOADD and DUP in the FSVIEW procedure. However, note that with the SAS/ACCESS interface to CA-DATACOM/DB, a duplicated record is inserted immediately after the original record rather than being added at the end of the CA-DATACOM/DB table.

When you use the DELETE command with a view descriptor that describes CA-DATACOM/DB data, the current record is removed permanently from the

CA-DATACOM/DB table. Also, the DELETE command works differently in the FSVIEW procedure than it does in the FSEDIT procedure. Refer to *SAS/FSP Software: Usage and Reference* for more information on this command.

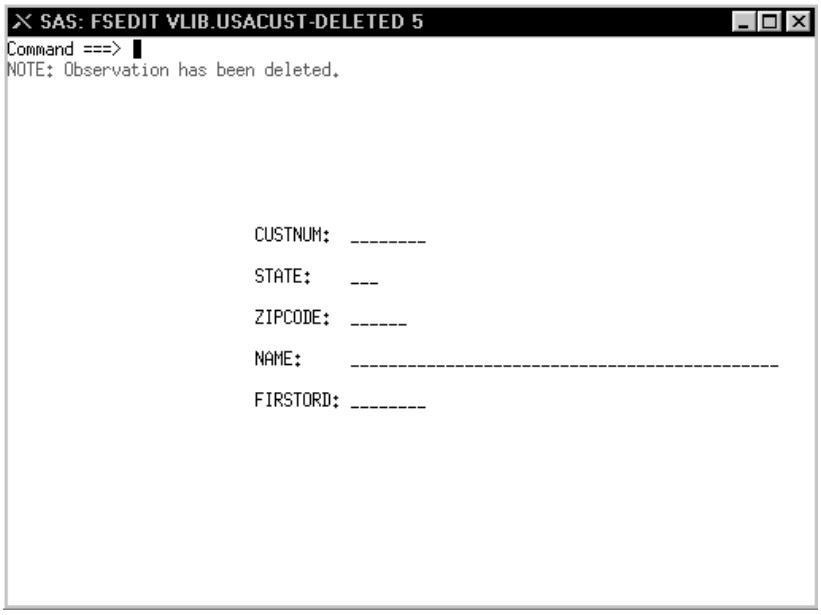
The following example illustrates using the DELETE command in the FSEDIT procedure. Scroll forward to the record to be deleted and enter the DELETE command on the command line, as shown in Display 5.6 on page 51.

Display 5.6 Deleting a CA-DATACOM/DB Record



The DELETE command deletes the record and displays a message to that affect, as shown in Display 5.7 on page 51.

Display 5.7 The Deleted Row



For more information on using the SAS/FSP procedures, see the *SAS/FSP Software: Usage and Reference*.

Browsing and Updating with the SQL Procedure

The SAS System SQL procedure also enables you to retrieve and update CA-DATACOM/DB data. You can retrieve and browse the data by specifying a view descriptor in a PROC SQL SELECT statement.

To update the data, you can specify view descriptors in the PROC SQL INSERT, DELETE, and UPDATE statements. Here is a summary of these PROC SQL statements:

DELETE	deletes records from a CA-DATACOM/DB table.
INSERT	inserts records into a CA-DATACOM/DB table.
SELECT	retrieves and displays data from CA-DATACOM/DB tables. A SELECT statement is usually referred to as a query, because it queries the tables for information.
UPDATE	updates records in a CA-DATACOM/DB table.

When using the SQL procedure in interactive line mode, note that the data are displayed in the SAS OUTPUT window. The procedure displays output data automatically without using the PRINT procedure and executes without using the RUN statement when an SQL procedure statement is executed. You can use the QUIT statement if you want to exit the SQL procedure.

CAUTION:

When you use the SQL procedure for update processing (DELETE, INSERT, and UPDATE statements), you must set the SQL procedure option, UNDO_POLICY. The SQL procedure supports backouts of group updates for those databases that support member-level locking. CA-DATACOM/DB software does not support member-level locks. The UNDO_POLICY option allows updates to be processed without backouts. For the CA-DATACOM/DB interface, you set the value of the option to NONE. For example:

```
proc sql undo_policy=none;
  update vlib.usacust
  set zipcode=27702
  where custnum='12345678';
```

If the update is processed successfully, it is applied to the database table and a warning message is issued. The message signifies that if multiple records were updated by the command and a failure occurred some time after the first record was successfully processed, then there is no way for PROC SQL to avoid a partial update.

Partial updating means that some records are updated and some are not. It does not mean that some fields in the same record are updated while other fields are not. △

The SELECT Statement

You can use the SELECT statement to browse CA-DATACOM/DB data described by a view descriptor. The query in the following example retrieves and displays all the fields and records in the CUSTOMERS table that are described by the VLIB.USACUST view descriptor. The UNDO_POLICY procedure option is included to disable member-level locking and enable updates later in the PROC SQL execution. You can exclude the

UNDO_POLICY option if you do not plan to perform updates. The LINESIZE= system option is used to reset the default output width to 120 columns.

Note: The following SQL procedure examples assume the CUSTOMERS table has not been updated by the earlier SAS/FSP examples. △

```
options linesize=120

proc sql undo_policy=none;
   title 'CA---DATACOM/DB Data Output from a SELECT Statement';
select custnum, state label='STATE', zipcode label='ZIPCODE',
       name, firstord
   from vlib.usacust;
```

Output 5.1 on page 53 displays the query's results. Notice that the SQL procedure displays the CA-DATACOM/DB field names, not the corresponding SAS column names.

Output 5.1 CA-DATACOM/DB. Data Output from a PROC SQL Query

```
            CA-DATACOM/DB Data Output from a SELECT Statement
CUSTOMER  STATE  ZIPCODE  NAME                                                FIRSTORDERDATE
-------------------------------------------------------------------------------------------
12345678  NC           .                                                                   .
14324742  CA       95123  SANTA CLARA VALLEY TECHNOLOGY SPECIALISTS                 05FEB65
19783482  VA       22090  TWENTY-FIRST CENTURY MATERIALS                            18JUL68
14898029  MD       20850  UNIVERSITY BIOMEDICAL MATERIALS                           12NOV76
19876078  CA       93274  SAN JOAQUIN SCIENTIFIC AND INDUSTRIAL SUPPLY, INC.        11MAY79
18543489  TX       78701  LONE STAR STATE RESEARCH SUPPLIERS                        10SEP79
14569877  NC       27514  PRECISION PRODUCTS                                        15AUG83
15432147  MI       49001  GREAT LAKES LABORATORY EQUIPMENT MANUFACTURERS            28APR86
```

You can specify a WHERE clause as part of the SELECT statement to subset the records for display. This example displays the companies that are located in North Carolina.

```
title 'CA---DATACOM/DB Data Output Subset by a WHERE Clause';
select custnum, state label='STATE', zipcode label='ZIPCODE',
       name, firstord
   from vlib.usacust
   where state='NC';
```

Notice that the PROC SQL statement is not repeated in this query. You do not need to repeat the PROC statement unless you use another SAS procedure, the DATA step, or a QUIT statement between PROC SQL statements. Output 5.2 on page 54 displays the two companies from North Carolina described by VLIB.USACUST.

Output 5.2 CA-DATACOM/DB. Data Output Subset by a WHERE Clause

```
 CA-DATACOM/DB Data Output Subset by a WHERE Clause
CUSTOMER  STATE  ZIPCODE  NAME                    FIRSTORDERDATE
-------------------------------------------------------------
12345678  NC           .                                      .
14569877  NC       27514  PRECISION PRODUCTS            15AUG83
```

The UPDATE Statement

You can use the UPDATE statement to update CA-DATACOM/DB data. Remember that when you reference a view descriptor in a PROC SQL statement, you are not updating the view descriptor, but rather the CA-DATACOM/DB data described by the view descriptor.

The following UPDATE statements update the values described by the first record of VLIB.USACUST. The SELECT statement then displays the view's output. The ORDER BY clause in the SELECT statement causes the data to be presented in ascending order by the CUSTNUM field. The UNDO_POLICY option is omitted since it was specified in the original SQL request.

```
update vlib.usacust
   set zipcode=27702
   where custnum='12345678';
update vlib.usacust
   set name='DURHAM SCIENTIFIC SUPPLY COMPANY'
   where custnum='12345678';
update vlib.usacust
   set firstord='02jan88'd
   where custnum='12345678';
   title 'Updated VLIB.USACUST View Descriptor';
select custnum, state label='STATE', zipcode label='ZIPCODE', name,
   firstord from vlib.usacust
   order by custnum;
```

Output 5.3 on page 55 displays the query's results.

Output 5.3 Updated VLIB.USACUST View Descriptor

Updated VLIB.USACUST View Descriptor

CUSTOMER	STATE	ZIPCODE	NAME	FIRSTORDERDATE
12345678	NC	27702	DURHAM SCIENTIFIC SUPPLY COMPANY	02JAN88
14324742	CA	95123	SANTA CLARA VALLEY TECHNOLOGY SPECIALISTS	05FEB65
14569877	NC	27514	PRECISION PRODUCTS	15AUG83
14898029	MD	20850	UNIVERSITY BIOMEDICAL MATERIALS	12NOV76
15432147	MI	49001	GREAT LAKES LABORATORY EQUIPMENT MANUFACTURERS	28APR86
18543489	TX	78701	LONE STAR STATE RESEARCH SUPPLIERS	10SEP79
19783482	VA	22090	TWENTY-FIRST CENTURY MATERIALS	18JUL68
19876078	CA	93274	SAN JOAQUIN SCIENTIFIC AND INDUSTRIAL SUPPLY, INC.	11MAY79

The INSERT and DELETE Statements

You can use the INSERT statement to add records to a CA-DATACOM/DB table or the DELETE statement to remove records. In the following example, the record containing the CUSTNUM value 15432147 is deleted from the table CUSTOMERS. The SELECT statement then displays the VLIB.USACUST data, ordering them again by the CUSTNUM field. Again, the UNDO_POLICY option was omitted because it was specified in the original SQL request and no intervening SAS procedure, DATA step, or QUIT statement occurred between SQL statements.

```
delete from vlib.usacust
   where custnum='15432147';
title 'Record Deleted from CA-DATACOM/DB CUSTOMERS Table';
select custnum, state label='STATE', zipcode label='ZIPCODE',
       name, firstord
   from vlib.usacust
   order by custnum;
```

Output 5.4 on page 56 displays the query's results.

Output 5.4 VLIB.USACUST Data with a Record Deleted

Record Deleted from CA-DATACOM/DB CUSTOMERS Table

CUSTOMER	STATE	ZIPCODE	NAME	FIRSTORDERDATE
12345678	NC	27702	DURHAM SCIENTIFIC SUPPLY COMPANY	02JAN88
14324742	CA	95123	SANTA CLARA VALLEY TECHNOLOGY SPECIALISTS	05FEB65
14569877	NC	27514	PRECISION PRODUCTS	15AUG83
14898029	MD	20850	UNIVERSITY BIOMEDICAL MATERIALS	12NOV76
18543489	TX	78701	LONE STAR STATE RESEARCH SUPPLIERS	10SEP79
19783482	VA	22090	TWENTY-FIRST CENTURY MATERIALS	18JUL68
19876078	CA	93274	SAN JOAQUIN SCIENTIFIC AND INDUSTRIAL SUPPLY, INC.	11MAY79

CAUTION:

Always use the WHERE clause in a DELETE statement. If you omit the WHERE clause from the DELETE statement, you will delete *all* the data in the CA-DATACOM/DB table accessed by the view descriptor. △

For more information on the SAS System SQL procedure, see the *SAS Procedures Guide*.

Appending Data with the APPEND Procedure

In releases of the SAS System earlier than Version 6, the APPEND procedure operated only on SAS data files. You can now append data described by SAS/ACCESS view descriptors and PROC SQL views to SAS data files and vice versa. You can also append data described by view descriptors to each other.

The input file and base file do not have to match column for column. If they do not match, use the FORCE option in the APPEND procedure. This will include all columns in the base file. Values for columns that are not shared by the base and input files are set to missing.

In the following example, two personnel managers have kept separate employee records. One manager has kept records in the CA-DATACOM/DB table EMPLOYEES, described by the view descriptor VLIB.DCMEMPS. The other manager has kept records in a Version 6 SAS data file, MYDATA.SASEMPS. Due to a corporate reorganization, the two sources of data must be combined so that all employee data are stored in the CA-DATACOM/DB table EMPLOYEES. The APPEND procedure can perform this task.

The data described by the view descriptor VLIB.DCMEMPS and the data in the SAS data file MYDATA.SASEMPS are printed with the following statements and displayed in Output 5.5 on page 57 and Output 5.6 on page 57.

```
proc print data=vlib.dcmemps;
   title 'Data Described by VLIB.DCMEMPS';
run;

proc print data=mydata.sasemps;
```

```
   format birthdat date7.;
   title 'Data in MYDATA.SASEMPS Data File';
run;
```

Output 5.5 Data Described by VLIB.DCMEMPS

Data Described by VLIB.DCMEMPS 1

OBS	EMPID	BIRTHDAT	LASTNAME	FIRSTNAM	MIDDLENA
1	119012	05JAN46	WOLF-PROVENZA	G.	ANDREA
2	120591	12FEB46	HAMMERSTEIN	S.	RACHAEL
3	123456	.	VARGAS	PAUL	JESUS
4	127845	25DEC43	MEDER	VLADIMIR	JORAN
5	129540	31JUL60	CHOULAI	CLARA	JANE
6	135673	21MAR61	HEMESLY	STEPHANIE	J.
7	212916	29MAY28	WACHBERGER	MARIE-LOUISE	TERESA
8	216382	24JUL63	PURINTON	PRUDENCE	VALENTINE
9	234967	21DEC67	SMITH	GILBERT	IRVINE
10	237642	13MAR54	BATTERSBY	R.	STEPHEN
11	239185	28AUG59	DOS REMEDIOS	LEONARD	WESLEY
12	254896	06APR49	TAYLOR-HUNYADI	ITO	MISHIMA
13	321783	03JUN35	GONZALES	GUILLERMO	RICARDO
14	328140	02JUN51	MEDINA-SIDONIA	MARGARET	ROSE
15	346917	15MAR50	SHIEKELESLAM	SHALA	Y.
16	356134	25OCT60	DUNNETT	CHRISTINE	MARIE
17	423286	31OCT64	MIFUNE	YUKIO	TOSHIRO
18	456910	24SEP53	ARDIS	RICHARD	BINGHAM
19	456921	12MAY62	KRAUSE	KARL-HEINZ	G.
20	457232	15OCT63	LOVELL	WILLIAM	SINCLAIR
21	459287	15JAN34	RODRIGUES	JUAN	M.
22	677890	24APR65	NISHIMATSU-LYNCH	CAROL	ANNE

Output 5.6 Data in MYDATA.SASEMPS

Data in MYDATA.SASEMPS Data File 1

OBS	EMPID	BIRTHDAT	LASTNAME	FIRSTNAM	MIDDLENA
1	245962	30AUG64	BEDORTHA	KATHY	MARTHA
2	765432	01MAR59	POWELL	FRANK	X.
3	219223	13JUN47	HANSINGER	BENJAMIN	HAROLD
4	326745	21FEB52	RAWN	BEATRICE	MAY

Submitting the following statements with the APPEND procedure combines data from these two sources:

```
proc append base=vlib.dcmemps data=mydata.sasemps;
run;

proc print data=vlib.dcmemps;
   title 'Appended Data';
run;
```

Output 5.7 on page 58 displays the appended data described by the view descriptor VLIB.DCMEMPS. Notice that the data were inserted in the order of Native Key values.

Output 5.7 Appended Data

Appended Data 1

OBS	EMPID	BIRTHDAT	LASTNAME	FIRSTNAM	MIDDLENA
1	119012	05JAN46	WOLF-PROVENZA	G.	ANDREA
2	120591	12FEB46	HAMMERSTEIN	S.	RACHAEL
3	123456	.	VARGAS	PAUL	JESUS
4	127845	25DEC43	MEDER	VLADIMIR	JORAN
5	129540	31JUL60	CHOULAI	CLARA	JANE
6	135673	21MAR61	HEMESLY	STEPHANIE	J.
7	212916	29MAY28	WACHBERGER	MARIE-LOUISE	TERESA
8	216382	24JUL63	PURINTON	PRUDENCE	VALENTINE
9	219223	13JUN47	HANSINGER	BENJAMIN	HAROLD
10	234967	21DEC67	SMITH	GILBERT	IRVINE
11	237642	13MAR54	BATTERSBY	R.	STEPHEN
12	239185	28AUG59	DOS REMEDIOS	LEONARD	WESLEY
13	245962	30AUG64	BEDORTHA	KATHY	MARTHA
14	254896	06APR49	TAYLOR-HUNYADI	ITO	MISHIMA
15	321783	03JUN35	GONZALES	GUILLERMO	RICARDO
16	326745	21FEB52	RAWN	BEATRICE	MAY
17	328140	02JUN51	MEDINA-SIDONIA	MARGARET	ROSE
18	346917	15MAR50	SHIEKELESLAM	SHALA	Y.
19	356134	25OCT60	DUNNETT	CHRISTINE	MARIE
20	423286	31OCT64	MIFUNE	YUKIO	TOSHIRO
21	456910	24SEP53	ARDIS	RICHARD	BINGHAM
22	456921	12MAY62	KRAUSE	KARL-HEINZ	G.
23	457232	15OCT63	LOVELL	WILLIAM	SINCLAIR
24	459287	05JAN34	RODRIGUES	JUAN	M.
25	677890	24APR65	NISHIMATSU-LYNCH	CAROL	ANNE
26	765432	01MAR59	POWELL	FRANK	X.

The APPEND procedure also accepts a WHERE= data set option or a WHERE statement to retrieve a subset of data. In the following example, a subset of observations from the DATA= data set is added to the BASE= data set. The results are displayed in Output 5.8 on page 59.

```
proc append base=vlib.dcmemps data=mydata.sasemps
   (where=(lastname like 'B%' or lastname like 'H%'));
```

```
run;

proc print data=vlib.dcmemps;
   title 'Appended Data';
run;
```

Output 5.8 on page 59 displays the data when the observations appended to the BASE= data set are subset by the WHERE= data set option. In this case, the WHERE= data set option specified that only the employees with last names beginning with B or H should be added to the BASE= data set.

Output 5.8 Appended Data with a WHERE= Data Set Option

Appended Data 1

OBS	EMPID	BIRTHDAT	LASTNAME	FIRSTNAM	MIDDLENA
1	119012	05JAN46	WOLF-PROVENZA	G.	ANDREA
2	120591	12FEB46	HAMMERSTEIN	S.	RACHAEL
3	123456	.	VARGAS	PAUL	JESUS
4	127845	25DEC43	MEDER	VLADIMIR	JORAN
5	129540	31JUL60	CHOULAI	CLARA	JANE
6	135673	21MAR61	HEMESLY	STEPHANIE	J.
7	212916	29MAY28	WACHBERGER	MARIE-LOUISE	TERESA
8	216382	24JUL63	PURINTON	PRUDENCE	VALENTINE
9	219223	13JUN46	HANSINGER	BENJAMIN	HAROLD
10	234967	21DEC67	SMITH	GILBERT	IRVINE
11	237642	13MAR54	BATTERSBY	R.	STEPHEN
12	239185	28AUG59	DOS REMEDIOS	LEONARD	WESLEY
13	245962	30AUG64	BEDORTHA	KATHY	MARTHA
14	254896	06APR49	TAYLOR-HUNYADI	ITO	MISHIMA
15	321783	03JUN35	GONZALES	GUILLERMO	RICARDO
16	328140	02JUN51	MEDINA-SIDONIA	MARGARET	ROSE
17	346917	15MAR50	SHIEKELESLAM	SHALA	Y.
18	356134	25OCT60	DUNNETT	CHRISTINE	MARIE
19	423286	31OCT64	MIFUNE	YUKIO	TOSHIRO
20	456910	24SEP53	ARDIS	RICHARD	BINGHAM
21	456921	12MAY62	KRAUSE	KARL-HEINZ	G.
22	457232	15OCT63	LOVELL	WILLIAM	SINCLAIR
23	459287	05JAN34	RODRIGUES	JUAN	M.
24	677890	24APR65	NISHIMATSU-LYNCH	CAROL	ANNE

For more information on the APPEND procedure, see the *SAS Procedures Guide.*

You can append data described by a view descriptor to a Version 8 data file just as you do with a Version 6 data file. However, when the FORCE option is used to append columns whose names do not match, any column names longer than 8 characters will truncated at 8 characters.

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