

```

1      OPTIONS NOSYNTAXCHECK;
2      TITLE;
3      FOOTNOTE;
4      OPTIONS LOCALE=en_US DFLANG=LOCALE;
5      DATA _NULL_;
6      RUN;

```

```

NOTE: DATA statement used (Total process time):
      real time           0.00 seconds
      cpu time            0.01 seconds

```

```

7      OPTIONS VALIDVARNAME=ANY;
8      OPTIONS VALIDMEMNAME=EXTEND;
9      FILENAME _HTMLOUT TEMP;
10     FILENAME _RTFOUT TEMP ENCODING='UTF-8';
11     FILENAME _PDFOUT TEMP;
12     FILENAME _GSFNAME TEMP;
13     FILENAME _DATAOUT TEMP;
14     %LET SYSCC=0;
15     %LET _CLIENTAPP='SAS Studio';
16     %LET _CLIENTAPPABREV=Studio;
17     %LET _CLIENTAPPVERSION=3.8;
18     %LET _CLIENTVERSION=3.8;
19     %LET _CLIENTMODE=wip;
20     %LET _SASSERVERNAME=%BQUOTE(SASApp);
21     %LET _SASHOSTNAME=%BQUOTE(dogwood);
22     %LET _SASPROGRAMFILEHOST=%BQUOTE(dogwood);
23     %LET _CLIENTUSERID=%BQUOTE(sasdemo);
24     %LET _CLIENTUSERNAME=%BQUOTE(sasdemo);
25     %LET _CLIENTMACHINE=%BQUOTE(172.20.18.137);
26     %LET _CLIENTMACHINE=%BQUOTE(172.20.18.137);
27     %let SASWORKLOCATION="%sysfunc(getoption(work))/";
28     FILENAME _CWD '.';
29     DATA _NULL_;
30     CALL SYMPUT('_SASWORKINGDIR',PATHNAME('_CWD'));
31     RUN;

```

```

NOTE: DATA statement used (Total process time):
      real time           0.00 seconds
      cpu time            0.00 seconds

```

```

32     FILENAME _CWD;
NOTE: Fileref _CWD has been deassigned.
33
34     %LET _SASPROGRAMFILE = %NRQUOTE(%NRSTR(/home/sasdemo/Dev/Demo v2.0/inDB Demo.sas));
35     %LET _BASEURL = %BQUOTE(http://dogwood.labs.teradata.com:7980/SASstudio/);
36     %LET _EXECENV=SASstudio;
37     DATA _NULL_;
38     CALL SYMPUT("GRAPHINIT","");
39     CALL SYMPUT("GRAPHTERM","");
40     RC=TSVL('SASXGOPT','N');
41     _ERROR_=0;
42     IF (RC^=' ') THEN DO;
43     CALL SYMPUT("GRAPHINIT","GOPTIONS RESET=ALL GSFNAME=_GSFNAME;");
44     CALL SYMPUT("GRAPHTERM","GOPTIONS NOACCESSIBLE;");
45     END;
46     RUN;

```

```

NOTE: DATA statement used (Total process time):
      real time           0.00 seconds
      cpu time            0.00 seconds

```

```

47     DATA _NULL_;
48     RC=SYSPROD("PRODNUM002");
49     IF (RC^=1) THEN DO;
50     CALL SYMPUT("GRAPHINIT","");
51     CALL SYMPUT("GRAPHTERM","");
52     END;
53     RUN;

```

```

NOTE: DATA statement used (Total process time):
      real time           0.00 seconds
      cpu time            0.00 seconds

```

```

54     %LET _DATAOUT_MIME_TYPE=;
55     %LET _DATAOUT_NAME=;
56     %LET _DATAOUT_TABLE=;
57     %LET _DATAOUT_URL=;
58     %SYMDEL _DATAOUT_MIME_TYPE _DATAOUT_NAME _DATAOUT_URL _DATAOUT_TABLE;
59     %LET _SASWS = %BQUOTE(/home/sasdemo);
60     %LET _SASWSTEMP=%BQUOTE(/home/sasdemo/.sasstudio/.images/7d068adb-47a8-44f3-8490-7a7570d29420);
61     ODS LISTING CLOSE;
62     ODS AUTONAVIGATE OFF;
63     ODS GRAPHICS ON;
64     ODS HTML5 (ID=WEB) DEVICE=PNG GPATH='%_SASWSTEMP_' ENCODING=utf8 FILE=_HTMLOUT (TITLE='Results: inDB Demo.sas')
64     ! STYLE=HTMLEncore OPTIONS(BITMAP_MODE='INLINE' OUTLINE='ON' SVG_MODE='INLINE')

```

```

64      ! CSS_PREFIX='.ods_7d068adb-47a8-44f3-8490-7a7570d29420' BODY_ID='div_7d068adb-47a8-44f3-8490-7a7570d29420' );
NOTE: Writing HTML5(WEB) Body file: _HTMLOUT
65      ODS RTF (ID=WEB) STYLE=Rtf FILE=_RTFOUT sasdate;
NOTE: Writing RTF Body file: _RTFOUT
66      ODS PDF (ID=WEB) STYLE=Pearl FILE=_PDFOUT;
NOTE: Writing ODS PDF(WEB) output to DISK destination "_PDFOUT", printer "PDF".
67      &GRAPHINIT;
68      OPTIONS FIRSTOBS=1;
69      OPTIONS OBS=MAX;
70      OPTIONS DTRESET DATE NUMBER NOTES;
71      OPTIONS NOSYNTAXCHECK;
72
73      Options sastrace=',,,ds' sastraceloc=saslog nostsuffix;
74      options dbdirectexec;
75      %let idconn = server=barbera user=pauls password='{SAS002}85D8C64D4474130111620633' mode=teradata;
76      %let txn_tbl=txn_l2m;
77
78      libname td_demo teradata server=barbera user=pauls
79      password=XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX database=demo_dev;
NOTE: Libref TD_DEMO was successfully assigned as follows:
      Engine:          TERADATA
      Physical Name:   barbera
80
81
82      /*
83
84      have a bunch of new customer information
85      lets load it into Datalab
86      when vp is set up
87
88      */
89
90      libname fs '/data/';
NOTE: Libref FS was successfully assigned as follows:
      Engine:          V9
      Physical Name:   /data
91
92      /* 6s */
93
94      data td_demo.new_customers (fastload=yes tpt=yes dbcommit=0);
95
96      set fs.new_customers;
97      run;

```

TERADATA\_115: Prepared: on connection 1  
 SELECT \* FROM "demo\_dev"."new\_customers"

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.002207  
 Total seconds used by the TERADATA ACCESS engine were 0.002935

NOTE: SAS variable labels, formats, and lengths are not written to DBMS tables.

TERADATA\_116: Executed: on connection 4  
 CREATE MULTISSET TABLE "demo\_dev"."new\_customers" ("cid" DECIMAL(11),"Title\_" CHAR (4),"fullname" CHAR (22),"StreetAddress" CHAR (24),"City" CHAR (18),"state" CHAR (13),"ZipCode" FLOAT,"Country" CHAR (2),"EmailAddress" CHAR (32),"TelephoneNumber" CHAR (12),"Birthday" DATE,"CCType" CHAR (10));COMMIT WORK

NOTE: There were 3000 observations read from the data set FS.NEW\_CUSTOMERS.

TERADATA: trforc: COMMIT WORK

NOTE: The data set TD\_DEMO.new\_customers has 3000 observations and 12 variables.

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL execution seconds were: 0.136719  
 Total SQL prepare seconds were: 0.002207  
 Total seconds used by the TERADATA ACCESS engine were 4.870235

NOTE: Teradata connection: TPT Fastload has inserted 3000 row(s).

NOTE: DATA statement used (Total process time):

real time 5.12 seconds  
 cpu time 0.44 seconds

```

98
99      /* check to see that they are actually new customers */
100
101      proc sql;
102      connect to teradata (server=barbera user=pauls
103      password=XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX mode=teradata);
104      select * from connection to teradata
105      (
106      SELECT 1 AS "xid", '#records' AS "xtable", "cust_vw", "new_customers" FROM
107      (SELECT CAST(COUNT(*) AS FLOAT) AS "cust_vw" FROM "demo_dev"."cust_vw") T1
108      , (SELECT CAST(COUNT(*) AS FLOAT) AS "new_customers" FROM "demo_dev"."new_customers") T2
109      UNION
110      SELECT 2, '#uniques' AS "xtable", "cust_vw", "new_customers" FROM
111      (SELECT CAST(COUNT(DISTINCT "cid") AS FLOAT) AS "cust_vw" FROM "demo_dev"."cust_vw") T1
112      , (SELECT CAST(COUNT(DISTINCT "cid") AS FLOAT) AS "new_customers" FROM "demo_dev"."new_customers") T2

```

```

113      UNION
114      SELECT 3, 'cust_vw', NULL, "new_customers" FROM
115      (SELECT CAST(COUNT(DISTINCT c1) AS FLOAT) AS "new_customers" FROM
116      (SELECT DISTINCT "cid" AS c1 FROM "demo_dev"."cust_vw") A,
117      (SELECT DISTINCT "cid" AS c2 FROM "demo_dev"."new_customers") B
118      WHERE c1 = c2) T2
119      ORDER BY 1;
120  );

```

TERADATA\_117: Prepared: on connection 4  
 SELECT 1 AS "xidx", '#records' AS "xtable", "cust\_vw", "new\_customers" FROM (SELECT CAST(COUNT(\*) AS FLOAT) AS "cust\_vw" FROM "demo\_dev"."cust\_vw") T1, (SELECT CAST(COUNT(\*) AS FLOAT) AS "new\_customers" FROM "demo\_dev"."new\_customers") T2 UNION SELECT 2, '#uniques', "cust\_vw", "new\_customers" FROM (SELECT CAST(COUNT(DISTINCT "cid") AS FLOAT) AS "cust\_vw" FROM "demo\_dev"."cust\_vw") T1, (SELECT CAST(COUNT(DISTINCT "cid") AS FLOAT) AS "new\_customers" FROM "demo\_dev"."new\_customers") T2 UNION SELECT 3, 'cust\_vw', NULL, "new\_customers" FROM (SELECT CAST(COUNT(DISTINCT c1) AS FLOAT) AS "new\_customers" FROM (SELECT DISTINCT "cid" AS c1 FROM "demo\_dev"."cust\_vw") A, (SELECT DISTINCT "cid" AS c2 FROM "demo\_dev"."new\_customers") B WHERE c1 = c2) T2 ORDER BY 1;

TERADATA\_118: Executed: on connection 4  
 SELECT 1 AS "xidx", '#records' AS "xtable", "cust\_vw", "new\_customers" FROM (SELECT CAST(COUNT(\*) AS FLOAT) AS "cust\_vw" FROM "demo\_dev"."cust\_vw") T1, (SELECT CAST(COUNT(\*) AS FLOAT) AS "new\_customers" FROM "demo\_dev"."new\_customers") T2 UNION SELECT 2, '#uniques', "cust\_vw", "new\_customers" FROM (SELECT CAST(COUNT(DISTINCT "cid") AS FLOAT) AS "cust\_vw" FROM "demo\_dev"."cust\_vw") T1, (SELECT CAST(COUNT(DISTINCT "cid") AS FLOAT) AS "new\_customers" FROM "demo\_dev"."new\_customers") T2 UNION SELECT 3, 'cust\_vw', NULL, "new\_customers" FROM (SELECT CAST(COUNT(DISTINCT c1) AS FLOAT) AS "new\_customers" FROM (SELECT DISTINCT "cid" AS c1 FROM "demo\_dev"."cust\_vw") A, (SELECT DISTINCT "cid" AS c2 FROM "demo\_dev"."new\_customers") B WHERE c1 = c2) T2 ORDER BY 1;

TERADATA: target - rows to fetch: 3

Summary Statistics for TERADATA are:  
 Total row fetch seconds were: 0.000007  
 Total SQL execution seconds were: 0.816051  
 Total SQL prepare seconds were: 0.146226  
 Total seconds used by the TERADATA ACCESS engine were 0.991248

```

121      disconnect from teradata;
122      run;
NOTE: PROC SQL statements are executed immediately; The RUN statement has no effect.

```

```

123
124
125      /*
126      we have 75 in common based on cid
127      lets check to see if they really are duplicate records
128      */

```

NOTE: PROCEDURE SQL used (Total process time):  
 real time 1.07 seconds  
 cpu time 0.04 seconds

```

129      proc sql;
130      connect to teradata (server=barbera user=pauls
131      password=XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX mode=teradata);
132      execute (create table demo_dev.dupe_customers as
133      (select 'd' || nc.cid as uid, nc.* from demo_dev.new_customers as nc
134      inner join
135      demo_dev.cust_vw as c
136      on nc.cid=c.cid
137      union all
138      select 'o' || c.cid as uid, c.* from demo_dev.new_customers as nc
139      inner join
140      demo_dev.cust_vw as c
141      on nc.cid=c.cid) with data) by teradata;

```

TERADATA\_119: Executed: on connection 4  
 create table demo\_dev.dupe\_customers as (select 'd' || nc.cid as uid, nc.\* from demo\_dev.new\_customers as nc inner join demo\_dev.cust\_vw as c on nc.cid=c.cid union all select 'o' || c.cid as uid, c.\* from demo\_dev.new\_customers as nc inner join demo\_dev.cust\_vw as c on nc.cid=c.cid) with data

Summary Statistics for TERADATA are:  
 Total SQL execution seconds were: 0.459003  
 Total seconds used by the TERADATA ACCESS engine were 0.459064

```

142      disconnect from teradata;
143      run;
NOTE: PROC SQL statements are executed immediately; The RUN statement has no effect.

```

NOTE: PROCEDURE SQL used (Total process time):  
 real time 0.54 seconds  
 cpu time 0.02 seconds

```

145      proc sql;
146      select * from td_demo.dupe_customers;

```

TERADATA\_120: Prepared: on connection 4  
 SELECT \* FROM "demo\_dev"."dupe\_customers"

TERADATA: trqacol- Casting decimals. Raw row size=171, Casted size=171, CAST\_OVERHEAD\_MAXPERCENT=20%

TERADATA\_121: Prepared: on connection 4

```
SELECT "uid",CAST("cid" AS
FLOAT),"Title_","fullname","StreetAddress","City","state","ZipCode","Country","EmailAddress","TelephoneNumber","Birthday","CCType"
FROM "demo_dev"."dupe_customers"
```

TERADATA\_122: Executed: on connection 4

```
SELECT "uid",CAST("cid" AS
FLOAT),"Title_","fullname","StreetAddress","City","state","ZipCode","Country","EmailAddress","TelephoneNumber","Birthday","CCType"
FROM "demo_dev"."dupe_customers"
```

TERADATA: trget - rows to fetch: 150

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:

Total row fetch seconds were:	27.830975
Total SQL execution seconds were:	0.020207
Total SQL prepare seconds were:	0.011033
Total seconds used by the TERADATA ACCESS engine were	1.034570

147 run;

NOTE: PROC SQL statements are executed immediately; The RUN statement has no effect.

148

149 /\*

150 now we could visually inspect the rows between the table

151 but that is error prone especially when dealing with

152 wide records, and/or lots of records

153 so instead we will use matchcode at 100%

154 \*/

155

156 /\*

157 we are only interested in this case on name and address matches

158 \*/

159

160 /\*

161 check for name matches

162 \*/

163

164

NOTE: PROCEDURE SQL used (Total process time):

real time 1.20 seconds

cpu time 1.01 seconds

165 proc sql;

166 connect to teradata (server=barbera user=pauls

167 password=XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX mode=teradata);

168 execute (

169 call sas\_sysfnlib.dq\_match

170 ('Name', '100','demo\_dev.dupe\_customers', 'Fullname',

171 'uid','demo\_dev.dqmatch\_name', 'ENUSA')) by teradata;

TERADATA\_123: Executed: on connection 4

call sas\_sysfnlib.dq\_match ('Name', '100','demo\_dev.dupe\_customers', 'Fullname', 'uid','demo\_dev.dqmatch\_name', 'ENUSA')

Summary Statistics for TERADATA are:

Total SQL execution seconds were:	8.482946
Total seconds used by the TERADATA ACCESS engine were	8.483037

172

173 /\*

174 now check the address

175 \*/

176

177 execute (

178 call sas\_sysfnlib.dq\_match

179 ('Address', '100','demo\_dev.dupe\_customers', 'streetaddress',

180 'uid','demo\_dev.dqmatch\_address', 'ENUSA')) by teradata;

TERADATA\_124: Executed: on connection 4

call sas\_sysfnlib.dq\_match ('Address', '100','demo\_dev.dupe\_customers', 'streetaddress', 'uid','demo\_dev.dqmatch\_address', 'ENUSA')

Summary Statistics for TERADATA are:

Total SQL execution seconds were:	7.245967
Total seconds used by the TERADATA ACCESS engine were	7.246047

181

182 disconnect from teradata;

183

184 run;

NOTE: PROC SQL statements are executed immediately; The RUN statement has no effect.

185

186 /\*

187 have a look at the raw data

188 \*/

189

NOTE: PROCEDURE SQL used (Total process time):

real time 15.79 seconds

cpu time 0.01 seconds

```

190      proc sql;
191      select * from td_demo.dqmatch_name;

```

TERADATA\_125: Prepared: on connection 4  
 SELECT \* FROM "demo\_dev"."dqmatch\_name"

TERADATA: trqacol- No casting. Raw row size=3086, Casted size=3086, CAST\_OVERHEAD\_MAXPERCENT=20%

TERADATA\_126: Prepared: on connection 4  
 SELECT "\_INPUT\_", "\_ERR\_", "Matchcode", "\_PK\_" FROM "demo\_dev"."dqmatch\_name"

TERADATA\_127: Executed: on connection 4  
 SELECT "\_INPUT\_", "\_ERR\_", "Matchcode", "\_PK\_" FROM "demo\_dev"."dqmatch\_name"

TERADATA: trget - rows to fetch: 150  
 TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total row fetch seconds were: 13.772133  
 Total SQL execution seconds were: 0.013124  
 Total SQL prepare seconds were: 0.005970  
 Total seconds used by the TERADATA ACCESS engine were 0.244093

```

192      run;
NOTE: PROC SQL statements are executed immediately; The RUN statement has no effect.
193
NOTE: PROCEDURE SQL used (Total process time):
      real time          0.36 seconds
      cpu time           0.23 seconds

```

TERADATA\_128: Prepared: on connection 4  
 SELECT \* FROM "demo\_dev"."dqmatch\_name"

```

194      proc freq data=td_demo.dqmatch_name;
195      tables matchcode;
196      run;

```

TERADATA: tryoeinf()  
 TERADATA: tryoeinf()  
 TERADATA: tryoeinf()

TERADATA\_129: Prepared: on connection 5  
 SELECT \* FROM "demo\_dev"."dqmatch\_name"

TERADATA\_130: Prepared: on connection 6  
 select COUNT(\*) as "ZSQL1", case when COUNT(\*) > COUNT(TXT\_1."Matchcode") then ' ' else MIN(TXT\_1."Matchcode") end as "ZSQL2"  
 from "demo\_dev"."dqmatch\_name" TXT\_1 group by TXT\_1."Matchcode"

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.002703  
 Total seconds used by the TERADATA ACCESS engine were 0.069088

NOTE: SQL generation will be used to construct frequency and crosstabulation tables.  
 ACCESS ENGINE: SQL statement was passed to the DBMS for fetching data.

TERADATA\_131: Executed: on connection 6  
 select COUNT(\*) as "ZSQL1", case when COUNT(\*) > COUNT(TXT\_1."Matchcode") then ' ' else MIN(TXT\_1."Matchcode") end as "ZSQL2"  
 from "demo\_dev"."dqmatch\_name" TXT\_1 group by TXT\_1."Matchcode"

TERADATA: trget - rows to fetch: 75  
 TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total row fetch seconds were: 0.000058  
 Total SQL execution seconds were: 0.026748  
 Total SQL prepare seconds were: 0.007705  
 Total seconds used by the TERADATA ACCESS engine were 0.284099

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.003996  
 Total seconds used by the TERADATA ACCESS engine were 0.662892

NOTE: PROCEDURE FREQ used (Total process time):  
 real time 0.84 seconds  
 cpu time 0.23 seconds

197

TERADATA\_132: Prepared: on connection 4  
 SELECT \* FROM "demo\_dev"."dqmatch\_address"

```

198      proc freq data=td_demo.dqmatch_address;
199      tables matchcode;

```

```
200      run;
```

```
TERADATA: tryoeinf()  
TERADATA: tryoeinf()  
TERADATA: tryoeinf()
```

```
TERADATA_133: Prepared: on connection 5  
SELECT * FROM "demo_dev"."dqmatch_address"
```

```
TERADATA_134: Prepared: on connection 6  
select COUNT(*) as "ZSQL1", case when COUNT(*) > COUNT(TXT_1."Matchcode") then ' ' else MIN(TXT_1."Matchcode") end as "ZSQL2"  
from "demo_dev"."dqmatch_address" TXT_1 group by TXT_1."Matchcode"
```

```
TERADATA: trforc: COMMIT WORK
```

```
Summary Statistics for TERADATA are:  
Total SQL prepare seconds were: 0.003873  
Total seconds used by the TERADATA ACCESS engine were 0.069541
```

NOTE: SQL generation will be used to construct frequency and crosstabulation tables.  
ACCESS ENGINE: SQL statement was passed to the DBMS for fetching data.

```
TERADATA_135: Executed: on connection 6  
select COUNT(*) as "ZSQL1", case when COUNT(*) > COUNT(TXT_1."Matchcode") then ' ' else MIN(TXT_1."Matchcode") end as "ZSQL2"  
from "demo_dev"."dqmatch_address" TXT_1 group by TXT_1."Matchcode"
```

```
TERADATA: trget - rows to fetch: 75  
TERADATA: trforc: COMMIT WORK
```

```
Summary Statistics for TERADATA are:  
Total row fetch seconds were: 0.000066  
Total SQL execution seconds were: 0.026638  
Total SQL prepare seconds were: 0.007296  
Total seconds used by the TERADATA ACCESS engine were 0.206546
```

```
TERADATA: trforc: COMMIT WORK
```

```
Summary Statistics for TERADATA are:  
Total SQL prepare seconds were: 0.003865  
Total seconds used by the TERADATA ACCESS engine were 0.572568
```

NOTE: PROCEDURE FREQ used (Total process time):  
real time 0.70 seconds  
cpu time 0.24 seconds

```
201  
202      /*  
203      now combine the non-dupe new customers with existing customers  
204      */  
205  
206      proc sql;  
207      create view td_demo.master_customer_list  
208      as (select * from td_demo.cust_vw  
209      union  
210      select * from td_demo.new_customers  
211      ) ;
```

```
TERADATA_136: Prepared: on connection 4  
SELECT * FROM "demo_dev"."master_customer_list"
```

```
TERADATA: trforc: COMMIT WORK
```

```
Summary Statistics for TERADATA are:  
Total SQL prepare seconds were: 0.001387  
Total seconds used by the TERADATA ACCESS engine were 0.002077
```

```
TERADATA_137: Prepared: on connection 4  
SELECT * FROM "demo_dev"."cust_vw"
```

```
TERADATA_138: Prepared: on connection 5  
SELECT * FROM "demo_dev"."new_customers"
```

```
TERADATA_139: Executed: on connection 1  
CREATE VIEW "demo_dev"."master_customer_list" as select TXT_1."cid", TXT_1."Title_", TXT_1."fullname", TXT_1."StreetAddress",  
TXT_1."City", TXT_1."state", TXT_1."ZipCode", TXT_1."Country", TXT_1."EmailAddress", TXT_1."TelephoneNumber", TXT_1."Birthday",  
TXT_1."CCType" from "demo_dev"."cust_vw" TXT_1 union select TXT_2."cid", TXT_2."Title_", TXT_2."fullname", TXT_2."StreetAddress",  
TXT_2."City", TXT_2."state", TXT_2."ZipCode", TXT_2."Country", TXT_2."EmailAddress", TXT_2."TelephoneNumber", TXT_2."Birthday",  
TXT_2."CCType" from "demo_dev"."new_customers" TXT_2
```

```
TERADATA: trforc: COMMIT WORK  
TERADATA: trforc: COMMIT WORK
```

```
Summary Statistics for TERADATA are:  
Total SQL execution seconds were: 0.044876  
Total seconds used by the TERADATA ACCESS engine were 0.108045
```

```

TERADATA_140: Prepared: on connection 6
SELECT * FROM "demo_dev"."master_customer_list"

```

```

TERADATA: trforc: COMMIT WORK

```

```

Summary Statistics for TERADATA are:
Total SQL prepare seconds were:          0.034500
Total seconds used by the TERADATA ACCESS engine were  0.035331

```

```

TERADATA: trforc: COMMIT WORK

```

```

Summary Statistics for TERADATA are:
Total SQL prepare seconds were:          0.017986
Total seconds used by the TERADATA ACCESS engine were  0.394110

```

```

TERADATA: trforc: COMMIT WORK

```

```

Summary Statistics for TERADATA are:
Total SQL prepare seconds were:          0.004304
Total seconds used by the TERADATA ACCESS engine were  0.338785

```

```

212
213      run;
NOTE: PROC SQL statements are executed immediately; The RUN statement has no effect.
214
NOTE: PROCEDURE SQL used (Total process time):
      real time          0.67 seconds
      cpu time           0.05 seconds

```

```

215      proc sql;
216      select count(*) from td_demo.master_customer_list;

```

```

TERADATA_141: Prepared: on connection 4
SELECT * FROM "demo_dev"."master_customer_list"

```

```

TERADATA_142: Prepared: on connection 5
select COUNT(*) from "demo_dev"."master_customer_list" TXT_1

```

```

TERADATA: trforc: COMMIT WORK

```

```

Summary Statistics for TERADATA are:
Total SQL prepare seconds were:          0.032418
Total seconds used by the TERADATA ACCESS engine were  0.122128

```

```

ACCESS ENGINE: SQL statement was passed to the DBMS for fetching data.

```

```

TERADATA_143: Executed: on connection 5
select COUNT(*) from "demo_dev"."master_customer_list" TXT_1

```

```

TERADATA: trget - rows to fetch: 1
TERADATA: trforc: COMMIT WORK

```

```

Summary Statistics for TERADATA are:
Total row fetch seconds were:            0.000003
Total SQL execution seconds were:        0.298524
Total SQL prepare seconds were:          0.032360
Total seconds used by the TERADATA ACCESS engine were  0.390276

```

```

217      run;
NOTE: PROC SQL statements are executed immediately; The RUN statement has no effect.
218
219
NOTE: PROCEDURE SQL used (Total process time):
      real time          0.58 seconds
      cpu time           0.04 seconds

```

```

TERADATA_144: Prepared: on connection 4
SELECT * FROM "demo_dev"."master_customer_list"

```

```

220      proc print data=td_demo.master_customer_list;
221      where cid between 12368 and 12378;
222      run;

```

```

TERADATA: trqacol- No casting. Raw row size=153, Casted size=161, CAST_OVERHEAD_MAXPERCENT=20%

```

```

TERADATA_145: Prepared: on connection 4
SELECT
"cid","Title_","fullname","StreetAddress","City","state","ZipCode","Country","EmailAddress","TelephoneNumber","Birthday","CCType"
FROM "demo_dev"."master_customer_list" WHERE ( ( ( "cid" BETWEEN 12368 AND 12378 ) OR ( "cid" BETWEEN 12378 AND 12368 ) ) ) )

```

```

TERADATA_146: Executed: on connection 4
SELECT
"cid","Title_","fullname","StreetAddress","City","state","ZipCode","Country","EmailAddress","TelephoneNumber","Birthday","CCType"
FROM "demo_dev"."master_customer_list" WHERE ( ( ( "cid" BETWEEN 12368 AND 12378 ) OR ( "cid" BETWEEN 12378 AND 12368 ) ) ) )

```

```

TERADATA: trget - rows to fetch: 11
TERADATA: trforc: COMMIT WORK

```

Summary Statistics for TERADATA are:

Total row fetch seconds were:	0.001984
Total SQL execution seconds were:	0.321692
Total SQL prepare seconds were:	0.071544
Total seconds used by the TERADATA ACCESS engine were	0.475043

NOTE: PROCEDURE PRINT used (Total process time):

real time	0.59 seconds
cpu time	0.09 seconds

```

223
224      /*
225      we have some states that don't conform to the 2 letter abbreviation
226      and we don't have any gender info
227      */
228
229      /* lets see how bad the states are */
230

```

TERADATA\_147: Prepared: on connection 4  
SELECT \* FROM "demo\_dev"."master\_customer\_list"

```

231      proc freq data=td_demo.master_customer_list;
232      tables state;
233      run;

```

TERADATA: tryoeinf()  
TERADATA: tryoeinf()  
TERADATA: tryoeinf()

TERADATA\_148: Prepared: on connection 5  
SELECT \* FROM "demo\_dev"."master\_customer\_list"

TERADATA\_149: Prepared: on connection 6  
select COUNT(\*) as "ZSQL1", case when COUNT(\*) > COUNT(TXT\_1."state") then ' ' else MIN(TXT\_1."state") end as "ZSQL2" from  
"demo\_dev"."master\_customer\_list" TXT\_1 group by TXT\_1."state"

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:

Total SQL prepare seconds were:	0.031741
Total seconds used by the TERADATA ACCESS engine were	0.180571

NOTE: SQL generation will be used to construct frequency and crosstabulation tables.  
ACCESS ENGINE: SQL statement was passed to the DBMS for fetching data.

TERADATA\_150: Executed: on connection 6  
select COUNT(\*) as "ZSQL1", case when COUNT(\*) > COUNT(TXT\_1."state") then ' ' else MIN(TXT\_1."state") end as "ZSQL2" from  
"demo\_dev"."master\_customer\_list" TXT\_1 group by TXT\_1."state"

TERADATA: trget - rows to fetch: 52  
TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:

Total row fetch seconds were:	0.000038
Total SQL execution seconds were:	0.284153
Total SQL prepare seconds were:	0.036735
Total seconds used by the TERADATA ACCESS engine were	0.456534

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:

Total SQL prepare seconds were:	0.031974
Total seconds used by the TERADATA ACCESS engine were	0.956413

NOTE: PROCEDURE FREQ used (Total process time):

real time	1.12 seconds
cpu time	0.18 seconds

```

234
235      /*
236      so lets standardise the state codes
237      */
238      proc sql;
239      connect to teradata(&idconn);
240      execute (
241          call sas_sysfnlib.dq_standardize(
242              'State/Province (Abbreviation)',
243              'demo_dev.master_customer_list',
244              'state',
245              'cid',
246              'demo_dev.cust_state_std',
247              'ENUSA')
248      ) by teradata;

```

TERADATA\_151: Executed: on connection 4  
call sas\_sysfnlib.dq\_standardize( 'State/Province (Abbreviation)', 'demo\_dev.master\_customer\_list', 'state', 'cid',  
'demo\_dev.cust\_state\_std', 'ENUSA')



Summary Statistics for TERADATA are:  
 Total SQL execution seconds were: 8.814262  
 Total seconds used by the TERADATA ACCESS engine were 8.814351

```
249
250      quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      8.90 seconds
      cpu time       0.02 seconds
```

```
251
252      /*
253      did it work?
254      */
```

TERADATA\_152: Prepared: on connection 4  
 SELECT \* FROM "demo\_dev"."cust\_state\_std"

```
255      proc freq data=td_demo.cust_state_std;
256      tables standardized;
257      run;
```

TERADATA: tryoeinf()  
 TERADATA: tryoeinf()  
 TERADATA: tryoeinf()

TERADATA\_153: Prepared: on connection 5  
 SELECT \* FROM "demo\_dev"."cust\_state\_std"

TERADATA\_154: Prepared: on connection 6  
 select COUNT(\*) as "ZSQL1", case when COUNT(\*) > COUNT(TXT\_1."Standardized") then ' ' else MIN(TXT\_1."Standardized") end as  
 "ZSQL2" from "demo\_dev"."cust\_state\_std" TXT\_1 group by TXT\_1."Standardized"

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.004267  
 Total seconds used by the TERADATA ACCESS engine were 0.136420

NOTE: SQL generation will be used to construct frequency and crosstabulation tables.  
 ACCESS ENGINE: SQL statement was passed to the DBMS for fetching data.

TERADATA\_155: Executed: on connection 6  
 select COUNT(\*) as "ZSQL1", case when COUNT(\*) > COUNT(TXT\_1."Standardized") then ' ' else MIN(TXT\_1."Standardized") end as  
 "ZSQL2" from "demo\_dev"."cust\_state\_std" TXT\_1 group by TXT\_1."Standardized"

TERADATA: trget - rows to fetch: 52  
 TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total row fetch seconds were: 0.000044  
 Total SQL execution seconds were: 0.039012  
 Total SQL prepare seconds were: 0.007725  
 Total seconds used by the TERADATA ACCESS engine were 0.184692

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.002775  
 Total seconds used by the TERADATA ACCESS engine were 0.651491

NOTE: PROCEDURE FREQ used (Total process time):  
 real time 0.82 seconds  
 cpu time 0.18 seconds

```
258
259      /*
260      now lets work out the gender information
261      */
262
263      proc sql;
264      connect to teradata(&idconn);
265      execute (
266          call sas_sysfnlib.dq_gender(
267              'Name',
268              'demo_dev.master_customer_list',
269              'fullname',
270              'cid',
271              'demo_dev.cust_gend',
272              'ENUSA')
273      ) by teradata;
```

TERADATA\_156: Executed: on connection 4  
 call sas\_sysfnlib.dq\_gender( 'Name', 'demo\_dev.master\_customer\_list', 'fullname', 'cid', 'demo\_dev.cust\_gend', 'ENUSA')

Summary Statistics for TERADATA are:

Total SQL execution seconds were: 10.767213  
 Total seconds used by the TERADATA ACCESS engine were 10.767297

```
274
275      quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      10.87 seconds
      cpu time       0.02 seconds
```

```
276
277      /*
278
279      look at the frequency of the results
280      we have U for undetermined due to possible non-Anglo names
281      or gender neutral names like Lindsey
282
283      */
284
```

TERADATA\_157: Prepared: on connection 4  
 SELECT \* FROM "demo\_dev"."cust\_gend"

```
285      proc freq data=td_demo.cust_gend;
286      tables gender;
287      run;
```

TERADATA: tryoeinf()  
 TERADATA: tryoeinf()  
 TERADATA: tryoeinf()

TERADATA\_158: Prepared: on connection 5  
 SELECT \* FROM "demo\_dev"."cust\_gend"

TERADATA\_159: Prepared: on connection 6  
 select COUNT(\*) as "ZSQL1", case when COUNT(\*) > COUNT(TXT\_1."Gender") then ' ' else MIN(TXT\_1."Gender") end as "ZSQL2" from  
 "demo\_dev"."cust\_gend" TXT\_1 group by TXT\_1."Gender"

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.004846  
 Total seconds used by the TERADATA ACCESS engine were 0.106229

NOTE: SQL generation will be used to construct frequency and crosstabulation tables.  
 ACCESS ENGINE: SQL statement was passed to the DBMS for fetching data.

TERADATA\_160: Executed: on connection 6  
 select COUNT(\*) as "ZSQL1", case when COUNT(\*) > COUNT(TXT\_1."Gender") then ' ' else MIN(TXT\_1."Gender") end as "ZSQL2" from  
 "demo\_dev"."cust\_gend" TXT\_1 group by TXT\_1."Gender"

TERADATA: trget - rows to fetch: 3  
 TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total row fetch seconds were: 0.000004  
 Total SQL execution seconds were: 0.039908  
 Total SQL prepare seconds were: 0.006583  
 Total seconds used by the TERADATA ACCESS engine were 0.122547

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.005355  
 Total seconds used by the TERADATA ACCESS engine were 0.622490

NOTE: PROCEDURE FREQ used (Total process time):  
 real time 0.71 seconds  
 cpu time 0.11 seconds

```
288
289
290      /*
291      now lets look at the transaction informatio
292      */
293
294      proc sql;
295      select count(*) from td_demo.&txn_tbl;
```

TERADATA\_161: Prepared: on connection 4  
 SELECT \* FROM "demo\_dev"."txn\_12m"

TERADATA\_162: Prepared: on connection 5  
 select COUNT(\*) from "demo\_dev"."txn\_12m" TXT\_1

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.000561

Total seconds used by the TERADATA ACCESS engine were 0.307761

ACCESS ENGINE: SQL statement was passed to the DBMS for fetching data.

TERADATA\_163: Executed: on connection 5  
select COUNT(\*) from "demo\_dev"."txn\_12m" TXT\_1

TERADATA: trget - rows to fetch: 1  
TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
Total row fetch seconds were: 0.000002  
Total SQL execution seconds were: 0.189635  
Total SQL prepare seconds were: 0.224624  
Total seconds used by the TERADATA ACCESS engine were 0.444069

296 run;  
NOTE: PROC SQL statements are executed immediately; The RUN statement has no effect.  
297  
298 /\* 3.6B rows in 12m\*/  
299  
NOTE: PROCEDURE SQL used (Total process time):  
real time 0.62 seconds  
cpu time 0.03 seconds

TERADATA\_164: Prepared: on connection 4  
SELECT \* FROM "demo\_dev"."txn\_12m"

300 proc print data=td\_demo.&txn\_tbl;  
301 where txn\_date between '12Dec2018'd and '14Dec2018'd and custid between 12368 and 12370;  
302 run;

TERADATA: trqacol- Casting decimals. Raw row size=18, Casted size=18, CAST\_OVERHEAD\_MAXPERCENT=20%

TERADATA\_165: Prepared: on connection 4  
SELECT "txn\_date","custid","channel","txn\_count",CAST("txn\_amt" AS FLOAT) FROM "demo\_dev"."txn\_12m" WHERE ( ( ( ( "txn\_date"  
BETWEEN DATE'2018-12-12' AND DATE'2018-12-14' ) OR ("txn\_date" BETWEEN DATE'2018-12-14' AND DATE'2018-12-12' ) ) ) ) AND ( ( ( ( "custid"  
BETWEEN 12368 AND 12370 ) OR ("custid" BETWEEN 12370 AND 12368 ) ) ) ) )

TERADATA\_166: Executed: on connection 4  
SELECT "txn\_date","custid","channel","txn\_count",CAST("txn\_amt" AS FLOAT) FROM "demo\_dev"."txn\_12m" WHERE ( ( ( ( "txn\_date"  
BETWEEN DATE'2018-12-12' AND DATE'2018-12-14' ) OR ("txn\_date" BETWEEN DATE'2018-12-14' AND DATE'2018-12-12' ) ) ) ) AND ( ( ( ( "custid"  
BETWEEN 12368 AND 12370 ) OR ("custid" BETWEEN 12370 AND 12368 ) ) ) ) )

TERADATA: trget - rows to fetch: 90  
TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
Total row fetch seconds were: 0.019556  
Total SQL execution seconds were: 0.222988  
Total SQL prepare seconds were: 0.022492  
Total seconds used by the TERADATA ACCESS engine were 0.451741

NOTE: PROCEDURE PRINT used (Total process time):  
real time 0.60 seconds  
cpu time 0.22 seconds

303  
304 /\*  
305 now lets roll this up to one row per customer per day  
306 Probably won't run this during demo as it takes 10+ minutes  
307 execute.  
308 Don't drop the table, just start from next step  
309 \*/  
310 proc sql;  
311 connect to teradata (server=barbera user=pauls  
312 password=XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX mode=teradata);  
313 execute (create table demo\_dev.txn\_pvt as (  
314 select \* from demo\_dev.&txn\_tbl pivot( sum(txn\_count) as txn\_c, sum(txn\_amt) as txn\_a  
315 for channel in (  
316 'X' as X,  
317 'T' as T,  
318 'F' as F,  
319 'B' as B,  
320 'C' as C,  
321 'D' as D,  
322 'A' as A,  
323 'J' as J,  
324 'Z' as Z)  
325  
326 ) TMP) with data) by teradata;

TERADATA\_167: Executed: on connection 4  
create table demo\_dev.txn\_pvt as ( select \* from demo\_dev.txn\_12m pivot( sum(txn\_count) as txn\_c, sum(txn\_amt) as txn\_a for channel  
in ( 'X' as X, 'T' as T, 'F' as F, 'B' as B, 'C' as C, 'D' as D, 'A' as A, 'J' as J, 'Z' as Z ) ) TMP) with data

Summary Statistics for TERADATA are:

Total SQL execution seconds were: 1059.131110  
 Total seconds used by the TERADATA ACCESS engine were 1059.131196

```
327      disconnect from teradata;
328      run;
NOTE: PROC SQL statements are executed immediately; The RUN statement has no effect.
329
330
331      /*
332      now lets extract the month from the txn date column
333      */
334
```

NOTE: PROCEDURE SQL used (Total process time):  
 real time 17:39.28  
 cpu time 0.02 seconds

```
335      proc sql;
336      insert into td_demo.txn_pvt_mnth
337      select
338      custid ,
339      month(txn_date),
340      X_txn_c ,
341      X_txn_a ,
342      T_txn_c ,
343      T_txn_a ,
344      F_txn_c ,
345      F_txn_a ,
346      B_txn_c ,
347      B_txn_a ,
348      C_txn_c ,
349      C_txn_a ,
350      D_txn_c ,
351      D_txn_a ,
352      A_txn_c ,
353      A_txn_a ,
354      J_txn_c ,
355      J_txn_a ,
356      Z_txn_c ,
357      Z_txn_a
358      from td_demo.txn_pvt;
```

TERADATA\_168: Prepared: on connection 4  
 SELECT \* FROM "demo\_dev"."txn\_pvt\_mnth"

TERADATA\_169: Prepared: on connection 5  
 SELECT \* FROM "demo\_dev"."txn\_pvt"

TERADATA\_170: Executed: on connection 1  
 insert into "demo\_dev"."txn\_pvt\_mnth" ("custid", "mnth", "X\_txn\_c", "X\_txn\_a", "T\_txn\_c", "T\_txn\_a", "F\_txn\_c", "F\_txn\_a",  
 "B\_txn\_c", "B\_txn\_a", "C\_txn\_c", "C\_txn\_a", "D\_txn\_c", "D\_txn\_a", "A\_txn\_c", "A\_txn\_a", "J\_txn\_c", "J\_txn\_a", "Z\_txn\_c", "Z\_txn\_a")  
 select TXT\_2."custid", EXTRACT(MONTH FROM TXT\_2."txn\_date") , TXT\_2."X\_txn\_c", TXT\_2."X\_txn\_a", TXT\_2."T\_txn\_c", TXT\_2."T\_txn\_a",  
 TXT\_2."F\_txn\_c", TXT\_2."F\_txn\_a", TXT\_2."B\_txn\_c", TXT\_2."B\_txn\_a", TXT\_2."C\_txn\_c", TXT\_2."C\_txn\_a", TXT\_2."D\_txn\_c",  
 TXT\_2."D\_txn\_a", TXT\_2."A\_txn\_c", TXT\_2."A\_txn\_a", TXT\_2."J\_txn\_c", TXT\_2."J\_txn\_a", TXT\_2."Z\_txn\_c", TXT\_2."Z\_txn\_a" from  
 "demo\_dev"."txn\_pvt" TXT\_2

TERADATA: 364000000 row(s) inserted/updated/deleted.  
 TERADATA: trforc: COMMIT WORK  
 TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL execution seconds were: 31.022940  
 Total seconds used by the TERADATA ACCESS engine were 31.080786

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.015143  
 Total seconds used by the TERADATA ACCESS engine were 31.279035

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.108936  
 Total seconds used by the TERADATA ACCESS engine were 31.223409

```
359      run;
NOTE: PROC SQL statements are executed immediately; The RUN statement has no effect.
360
361      /*
362      now let roll up to customer level
363      and calculate the totals of the counts and amounts
364      by month
365      so end up with 1M rows
366      */
367
NOTE: PROCEDURE SQL used (Total process time):
  real time 31.49 seconds
  cpu time 0.03 seconds
```

```

368 proc ds2 ds2accel=yes ;
369
370     /* thread program defines the parallel logic to run on each Teradata AMP */
371     thread work.p_thread / overwrite=yes;
372     vararray double TX_c[12]; /* create arrays to hold the pivoted data*/
373     vararray double TT_c[12];
374     vararray double TF_c[12];
375     vararray double TB_c[12];
376     vararray double TC_c[12];
377     vararray double TD_c[12];
378     vararray double TA_c[12];
379     vararray double TJ_c[12];
380     vararray double TZ_c[12];
381     vararray double TX_a[12];
382     vararray double TT_a[12];
383     vararray double TF_a[12];
384     vararray double TB_a[12];
385     vararray double TC_a[12];
386     vararray double TD_a[12];
387     vararray double TA_a[12];
388     vararray double TJ_a[12];
389     vararray double TZ_a[12];
390
391     dcl integer custid; /* this is the group by variable id */
392
393     keep custid TX_c1-TX_c12 TT_c1-TT_c12 TF_c1-TF_c12 TB_c1-TB_c12 TC_c1-TC_c12
394     TD_c1-TD_c12 TA_c1-TA_c12 TJ_c1-TJ_c12 TZ_c1-TZ_c12
395     TX_a1-TX_a12 TT_a1-TT_a12 TF_a1-TF_a12 TB_a1-TB_a12 TC_a1-TC_a12
396     TD_a1-TD_a12 TA_a1-TA_a12 TJ_a1-TJ_a12 TZ_a1-TZ_a12;
397     retain TX_c1-TX_c12 TT_c1-TT_c12 TF_c1-TF_c12 TB_c1-TB_c12 TC_c1-TC_c12
398     TD_c1-TD_c12 TA_c1-TA_c12 TJ_c1-TJ_c12 TZ_c1-TZ_c12
399     TX_a1-TX_a12 TT_a1-TT_a12 TF_a1-TF_a12 TB_a1-TB_a12 TC_a1-TC_a12
400     TD_a1-TD_a12 TA_a1-TA_a12 TJ_a1-TJ_a12 TZ_a1-TZ_a12;
401
402
403     method clear_arrays(); /* zero out the arrays */
404         dcl float i;
405         do i=1 to 12 ;
406             TX_c[i] = 0;
407             TT_c[i] = 0;
408             TF_c[i] = 0;
409             TB_c[i] = 0;
410             TC_c[i] = 0;
411             TD_c[i] = 0;
412             TA_c[i] = 0;
413             TJ_c[i] = 0;
414             TZ_c[i] = 0;
415             TX_a[i] = 0;
416             TT_a[i] = 0;
417             TF_a[i] = 0;
418             TB_a[i] = 0;
419             TC_a[i] = 0;
420             TD_a[i] = 0;
421             TA_a[i] = 0;
422             TJ_a[i] = 0;
423             TZ_a[i] = 0;
424         end;
425     end;
426
427     method run();
428         set td_demo.txn_pvt_mnth; /* read data in from txn_pvt_mnth table in TD */
429         by custid; /* the role up level */
430         if first.custid then /* for each new id clear out the arrays as these are reused */
431             clear_arrays();
432             TX_c[mnth]=X_txn_c+TX_c[mnth]; /* for each month create the totals */
433             TT_c[mnth]=T_txn_c+TT_c[mnth];
434             TF_c[mnth]=F_txn_c+TF_c[mnth];
435             TB_c[mnth]=B_txn_c+TB_c[mnth];
436             TC_c[mnth]=C_txn_c+TC_c[mnth];
437             TD_c[mnth]=D_txn_c+TD_c[mnth];
438             TA_c[mnth]=A_txn_c+TA_c[mnth];
439             TJ_c[mnth]=J_txn_c+TJ_c[mnth];
440             TZ_c[mnth]=Z_txn_c+TZ_c[mnth];
441             TX_a[mnth]=X_txn_a+TX_a[mnth];
442             TT_a[mnth]=T_txn_a+TT_a[mnth];
443             TF_a[mnth]=F_txn_a+TF_a[mnth];
444             TB_a[mnth]=B_txn_a+TB_a[mnth];
445             TC_a[mnth]=C_txn_a+TC_a[mnth];
446             TD_a[mnth]=D_txn_a+TD_a[mnth];
447             TA_a[mnth]=A_txn_a+TA_a[mnth];
448             TJ_a[mnth]=J_txn_a+TJ_a[mnth];
449             TZ_a[mnth]=Z_txn_a+TZ_a[mnth];
450         if last.custid then /* then write out the results */
451             output;
452
453         end;
454
455     endthread;
456     run;

```

NOTE: Created thread p\_thread in data set work.p\_thread.

NOTE: Execution succeeded. No rows affected.

```

457
458      /* Execute the DS2 we wrote above */
459      data td_demo.txn_pvt_cust;          /* results are going into a teradata table*/
460      dcl thread p_thread p; /* instance of the thread */
461      method run(); /* call the run method we created above */
462      set from p;
463      output;
464      end;
465      enddata;
466
467      run;
NOTE: Running THREAD program in-database
NOTE: Running DATA program in-database
NOTE: Execution succeeded. No rows affected.
468      quit;

```

```

NOTE: PROCEDURE DS2 used (Total process time):
      real time      26.19 seconds
      cpu time       0.29 seconds

```

469

```

TERADATA_171: Prepared: on connection 4
SELECT * FROM "demo_dev"."txn_pvt_cust"

```

```

470      proc print data=td_demo.txn_pvt_cust;
471      where custid between 12368 and 12468;
472      run;

```

TERADATA: trqacol- Casting on. Raw row size=1732, Casted size=1736, CAST\_OVERHEAD\_MAXPERCENT=20%

```

TERADATA_172: Prepared: on connection 4
SELECT CAST("custid" AS
FLOAT,"TX_c1","TX_c2","TX_c3","TX_c4","TX_c5","TX_c6","TX_c7","TX_c8","TX_c9","TX_c10","TX_c11","TX_c12","TT_c1","TT_c2","TT_c3","T
T_c4","TT_c5","TT_c6","TT_c7","TT_c8","TT_c9","TT_c10","TT_c11","TT_c12","TF_c1","TF_c2","TF_c3","TF_c4","TF_c5","TF_c6","TF_c7","TF
_c8","TF_c9","TF_c10","TF_c11","TF_c12","TB_c1","TB_c2","TB_c3","TB_c4","TB_c5","TB_c6","TB_c7","TB_c8","TB_c9","TB_c10","TB_c11","T
B_c12","TC_c1","TC_c2","TC_c3","TC_c4","TC_c5","TC_c6","TC_c7","TC_c8","TC_c9","TC_c10","TC_c11","TC_c12","TD_c1","TD_c2","TD_c3","T
D_c4","TD_c5","TD_c6","TD_c7","TD_c8","TD_c9","TD_c10","TD_c11","TD_c12","TA_c1","TA_c2","TA_c3","TA_c4","TA_c5","TA_c6","TA_c7","TA
_c8","TA_c9","TA_c10","TA_c11","TA_c12","TJ_c1","TJ_c2","TJ_c3","TJ_c4","TJ_c5","TJ_c6","TJ_c7","TJ_c8","TJ_c9","TJ_c10","TJ_c11","T
J_c12","TZ_c1","TZ_c2","TZ_c3","TZ_c4","TZ_c5","TZ_c6","TZ_c7","TZ_c8","TZ_c9","TZ_c10","TZ_c11","TZ_c12","TX_a1","TX_a2","TX_a3","T
X_a4","TX_a5","TX_a6","TX_a7","TX_a8","TX_a9","TX_a10","TX_a11","TX_a12","TT_a1","TT_a2","TT_a3","TT_a4","TT_a5","TT_a6","TT_a7","TT
_a8","TT_a9","TT_a10","TT_a11","TT_a12","TF_a1","TF_a2","TF_a3","TF_a4","TF_a5","TF_a6","TF_a7","TF_a8","TF_a9","TF_a10","TF_a11","T
F_a12","TB_a1","TB_a2","TB_a3","TB_a4","TB_a5","TB_a6","TB_a7","TB_a8","TB_a9","TB_a10","TB_a11","TB_a12","TC_a1","TC_a2","TC_a3","T
C_a4","TC_a5","TC_a6","TC_a7","TC_a8","TC_a9","TC_a10","TC_a11","TC_a12","TD_a1","TD_a2","TD_a3","TD_a4","TD_a5","TD_a6","TD_a7","TD
_a8","TD_a9","TD_a10","TD_a11","TD_a12","TA_a1","TA_a2","TA_a3","TA_a4","TA_a5","TA_a6","TA_a7","TA_a8","TA_a9","TA_a10","TA_a11","T
A_a12","TJ_a1","TJ_a2","TJ_a3","TJ_a4","TJ_a5","TJ_a6","TJ_a7","TJ_a8","TJ_a9","TJ_a10","TJ_a11","TJ_a12","TZ_a1","TZ_a2","TZ_a3","T
Z_a4","TZ_a5","TZ_a6","TZ_a7","TZ_a8","TZ_a9","TZ_a10","TZ_a11","TZ_a12" FROM "demo_dev"."txn_pvt_cust" WHERE ( ( ("custid"
BETWEEN 12368 AND 12468 ) OR ("custid" BETWEEN 12468 AND 12368 ) ) ) )

```

```

TERADATA_173: Executed: on connection 4
SELECT CAST("custid" AS
FLOAT,"TX_c1","TX_c2","TX_c3","TX_c4","TX_c5","TX_c6","TX_c7","TX_c8","TX_c9","TX_c10","TX_c11","TX_c12","TT_c1","TT_c2","TT_c3","T
T_c4","TT_c5","TT_c6","TT_c7","TT_c8","TT_c9","TT_c10","TT_c11","TT_c12","TF_c1","TF_c2","TF_c3","TF_c4","TF_c5","TF_c6","TF_c7","TF
_c8","TF_c9","TF_c10","TF_c11","TF_c12","TB_c1","TB_c2","TB_c3","TB_c4","TB_c5","TB_c6","TB_c7","TB_c8","TB_c9","TB_c10","TB_c11","T
B_c12","TC_c1","TC_c2","TC_c3","TC_c4","TC_c5","TC_c6","TC_c7","TC_c8","TC_c9","TC_c10","TC_c11","TC_c12","TD_c1","TD_c2","TD_c3","T
D_c4","TD_c5","TD_c6","TD_c7","TD_c8","TD_c9","TD_c10","TD_c11","TD_c12","TA_c1","TA_c2","TA_c3","TA_c4","TA_c5","TA_c6","TA_c7","TA
_c8","TA_c9","TA_c10","TA_c11","TA_c12","TJ_c1","TJ_c2","TJ_c3","TJ_c4","TJ_c5","TJ_c6","TJ_c7","TJ_c8","TJ_c9","TJ_c10","TJ_c11","T
J_c12","TZ_c1","TZ_c2","TZ_c3","TZ_c4","TZ_c5","TZ_c6","TZ_c7","TZ_c8","TZ_c9","TZ_c10","TZ_c11","TZ_c12","TX_a1","TX_a2","TX_a3","T
X_a4","TX_a5","TX_a6","TX_a7","TX_a8","TX_a9","TX_a10","TX_a11","TX_a12","TT_a1","TT_a2","TT_a3","TT_a4","TT_a5","TT_a6","TT_a7","TT
_a8","TT_a9","TT_a10","TT_a11","TT_a12","TF_a1","TF_a2","TF_a3","TF_a4","TF_a5","TF_a6","TF_a7","TF_a8","TF_a9","TF_a10","TF_a11","T
F_a12","TB_a1","TB_a2","TB_a3","TB_a4","TB_a5","TB_a6","TB_a7","TB_a8","TB_a9","TB_a10","TB_a11","TB_a12","TC_a1","TC_a2","TC_a3","T
C_a4","TC_a5","TC_a6","TC_a7","TC_a8","TC_a9","TC_a10","TC_a11","TC_a12","TD_a1","TD_a2","TD_a3","TD_a4","TD_a5","TD_a6","TD_a7","TD
_a8","TD_a9","TD_a10","TD_a11","TD_a12","TA_a1","TA_a2","TA_a3","TA_a4","TA_a5","TA_a6","TA_a7","TA_a8","TA_a9","TA_a10","TA_a11","T
A_a12","TJ_a1","TJ_a2","TJ_a3","TJ_a4","TJ_a5","TJ_a6","TJ_a7","TJ_a8","TJ_a9","TJ_a10","TJ_a11","TJ_a12","TZ_a1","TZ_a2","TZ_a3","T
Z_a4","TZ_a5","TZ_a6","TZ_a7","TZ_a8","TZ_a9","TZ_a10","TZ_a11","TZ_a12" FROM "demo_dev"."txn_pvt_cust" WHERE ( ( ("custid"
BETWEEN 12368 AND 12468 ) OR ("custid" BETWEEN 12468 AND 12368 ) ) ) )

```

```

TERADATA: trget - rows to fetch: 101
TERADATA: trforc: COMMIT WORK

```

```

Summary Statistics for TERADATA are:
Total row fetch seconds were:      0.167574
Total SQL execution seconds were:  0.273361
Total SQL prepare seconds were:    0.154496
Total seconds used by the TERADATA ACCESS engine were  25.688699

```

```

NOTE: PROCEDURE PRINT used (Total process time):
      real time      25.88 seconds
      cpu time       25.26 seconds

```

```

473
474      /*
475      put it all together
476      */
477      proc sql;
478      create view td_demo.ads_prelim
479      as
480      (select
481      custid,

```

```
482 Title_,
483 fullname,
484 gender,
485 StreetAddress,
486 City,
487 standardized as State,
488 ZipCode,
489 Country,
490 EmailAddress,
491 TelephoneNumber,
492 Birthday,
493 CCType,
494 TX_c1,
495 TX_c2,
496 TX_c3,
497 TX_c4,
498 TX_c5,
499 TX_c6,
500 TX_c7,
501 TX_c8,
502 TX_c9,
503 TX_c10,
504 TX_c11,
505 TX_c12,
506 TX_a1,
507 TX_a2,
508 TX_a3,
509 TX_a4,
510 TX_a5,
511 TX_a6,
512 TX_a7,
513 TX_a8,
514 TX_a9,
515 TX_a10,
516 TX_a11,
517 TX_a12,
518 TT_c1,
519 TT_c2,
520 TT_c3,
521 TT_c4,
522 TT_c5,
523 TT_c6,
524 TT_c7,
525 TT_c8,
526 TT_c9,
527 TT_c10,
528 TT_c11,
529 TT_c12,
530 TT_a1,
531 TT_a2,
532 TT_a3,
533 TT_a4,
534 TT_a5,
535 TT_a6,
536 TT_a7,
537 TT_a8,
538 TT_a9,
539 TT_a10,
540 TT_a11,
541 TT_a12,
542 TF_c1,
543 TF_c2,
544 TF_c3,
545 TF_c4,
546 TF_c5,
547 TF_c6,
548 TF_c7,
549 TF_c8,
550 TF_c9,
551 TF_c10,
552 TF_c11,
553 TF_c12,
554 TF_a1,
555 TF_a2,
556 TF_a3,
557 TF_a4,
558 TF_a5,
559 TF_a6,
560 TF_a7,
561 TF_a8,
562 TF_a9,
563 TF_a10,
564 TF_a11,
565 TF_a12,
566 TB_c1,
567 TB_c2,
568 TB_c3,
569 TB_c4,
570 TB_c5,
571 TB_c6,
572 TB_c7,
573 TB_c8,
```

574	TB_c9,
575	TB_c10,
576	TB_c11,
577	TB_c12,
578	TB_a1,
579	TB_a2,
580	TB_a3,
581	TB_a4,
582	TB_a5,
583	TB_a6,
584	TB_a7,
585	TB_a8,
586	TB_a9,
587	TB_a10,
588	TB_a11,
589	TB_a12,
590	TC_c1,
591	TC_c2,
592	TC_c3,
593	TC_c4,
594	TC_c5,
595	TC_c6,
596	TC_c7,
597	TC_c8,
598	TC_c9,
599	TC_c10,
600	TC_c11,
601	TC_c12,
602	TC_a1,
603	TC_a2,
604	TC_a3,
605	TC_a4,
606	TC_a5,
607	TC_a6,
608	TC_a7,
609	TC_a8,
610	TC_a9,
611	TC_a10,
612	TC_a11,
613	TC_a12,
614	TD_c1,
615	TD_c2,
616	TD_c3,
617	TD_c4,
618	TD_c5,
619	TD_c6,
620	TD_c7,
621	TD_c8,
622	TD_c9,
623	TD_c10,
624	TD_c11,
625	TD_c12,
626	TD_a1,
627	TD_a2,
628	TD_a3,
629	TD_a4,
630	TD_a5,
631	TD_a6,
632	TD_a7,
633	TD_a8,
634	TD_a9,
635	TD_a10,
636	TD_a11,
637	TD_a12,
638	TA_c1,
639	TA_c2,
640	TA_c3,
641	TA_c4,
642	TA_c5,
643	TA_c6,
644	TA_c7,
645	TA_c8,
646	TA_c9,
647	TA_c10,
648	TA_c11,
649	TA_c12,
650	TA_a1,
651	TA_a2,
652	TA_a3,
653	TA_a4,
654	TA_a5,
655	TA_a6,
656	TA_a7,
657	TA_a8,
658	TA_a9,
659	TA_a10,
660	TA_a11,
661	TA_a12,
662	TJ_c1,
663	TJ_c2,
664	TJ_c3,
665	TJ_c4,



```

666      TJ_c5,
667      TJ_c6,
668      TJ_c7,
669      TJ_c8,
670      TJ_c9,
671      TJ_c10,
672      TJ_c11,
673      TJ_c12,
674      TJ_a1,
675      TJ_a2,
676      TJ_a3,
677      TJ_a4,
678      TJ_a5,
679      TJ_a6,
680      TJ_a7,
681      TJ_a8,
682      TJ_a9,
683      TJ_a10,
684      TJ_a11,
685      TJ_a12,
686      TZ_c1,
687      TZ_c2,
688      TZ_c3,
689      TZ_c4,
690      TZ_c5,
691      TZ_c6,
692      TZ_c7,
693      TZ_c8,
694      TZ_c9,
695      TZ_c10,
696      TZ_c11,
697      TZ_c12,
698      TZ_a1,
699      TZ_a2,
700      TZ_a3,
701      TZ_a4,
702      TZ_a5,
703      TZ_a6,
704      TZ_a7,
705      TZ_a8,
706      TZ_a9,
707      TZ_a10,
708      TZ_a11,
709      TZ_a12
710      from td_demo.txn_pvt_cust as tpc
711      inner join td_demo.master_customer_list as mcl
712      on tpc.custid=mcl.cid
713      inner join td_demo.cust_gend as cg
714      on mcl.cid = cg._PK_
715      inner join td_demo.cust_state_std as cgs
716      on mcl.cid = cgs._PK_);

```

TERADATA\_174: Prepared: on connection 4

SELECT \* FROM "demo\_dev"."ads\_prelim"

TERADATA: trfrc: COMMIT WORK

Summary Statistics for TERADATA are:

Total SQL prepare seconds were: 0.001312

Total seconds used by the TERADATA ACCESS engine were 0.001992

TERADATA\_175: Prepared: on connection 4

SELECT \* FROM "demo\_dev"."txn\_pvt\_cust"

TERADATA\_176: Prepared: on connection 5

SELECT \* FROM "demo\_dev"."master\_customer\_list"

TERADATA\_177: Prepared: on connection 6

SELECT \* FROM "demo\_dev"."cust\_gend"

TERADATA\_178: Prepared: on connection 7

SELECT \* FROM "demo\_dev"."cust\_state\_std"

TERADATA\_179: Executed: on connection 1

```

CREATE VIEW "demo_dev"."ads_prelim" as select tpc."custid", mcl."Title_", mcl."fullname", cg."Gender", mcl."StreetAddress",
mcl."City", cgs."Standardized" as "State", mcl."ZipCode", mcl."Country", mcl."EmailAddress", mcl."TelephoneNumber", mcl."BirthDay",
mcl."CCType", tpc."TX_c1", tpc."TX_c2", tpc."TX_c3", tpc."TX_c4", tpc."TX_c5", tpc."TX_c6", tpc."TX_c7", tpc."TX_c8", tpc."TX_c9",
tpc."TX_c10", tpc."TX_c11", tpc."TX_c12", tpc."TX_a1", tpc."TX_a2", tpc."TX_a3", tpc."TX_a4", tpc."TX_a5", tpc."TX_a6",
tpc."TX_a7", tpc."TX_a8", tpc."TX_a9", tpc."TX_a10", tpc."TX_a11", tpc."TX_a12", tpc."TT_c1", tpc."TT_c2", tpc."TT_c3",
tpc."TT_c4", tpc."TT_c5", tpc."TT_c6", tpc."TT_c7", tpc."TT_c8", tpc."TT_c9", tpc."TT_c10", tpc."TT_c11", tpc."TT_c12",
tpc."TT_a1", tpc."TT_a2", tpc."TT_a3", tpc."TT_a4", tpc."TT_a5", tpc."TT_a6", tpc."TT_a7", tpc."TT_a8", tpc."TT_a9", tpc."TT_a10",
tpc."TT_a11", tpc."TT_a12", tpc."TF_c1", tpc."TF_c2", tpc."TF_c3", tpc."TF_c4", tpc."TF_c5", tpc."TF_c6", tpc."TF_c7", tpc."TF_c8",
tpc."TF_c9", tpc."TF_c10", tpc."TF_c11", tpc."TF_c12", tpc."TF_a1", tpc."TF_a2", tpc."TF_a3", tpc."TF_a4", tpc."TF_a5",
tpc."TF_a6", tpc."TF_a7", tpc."TF_a8", tpc."TF_a9", tpc."TF_a10", tpc."TF_a11", tpc."TF_a12", tpc."TB_c1", tpc."TB_c2",
tpc."TB_c3", tpc."TB_c4", tpc."TB_c5", tpc."TB_c6", tpc."TB_c7", tpc."TB_c8", tpc."TB_c9", tpc."TB_c10", tpc."TB_c11",
tpc."TB_c12", tpc."TB_a1", tpc."TB_a2", tpc."TB_a3", tpc."TB_a4", tpc."TB_a5", tpc."TB_a6", tpc."TB_a7", tpc."TB_a8", tpc."TB_a9",
tpc."TB_a10", tpc."TB_a11", tpc."TB_a12", tpc."TC_c1", tpc."TC_c2", tpc."TC_c3", tpc."TC_c4", tpc."TC_c5", tpc."TC_c6",

```

```

tpc."TC_c7", tpc."TC_c8", tpc."TC_c9", tpc."TC_c10", tpc."TC_c11", tpc."TC_c12", tpc."TC_a1", tpc."TC_a2", tpc."TC_a3",
tpc."TC_a4", tpc."TC_a5", tpc."TC_a6", tpc."TC_a7", tpc."TC_a8", tpc."TC_a9", tpc."TC_a10", tpc."TC_a11", tpc."TC_a12",
tpc."TD_c1", tpc."TD_c2", tpc."TD_c3", tpc."TD_c4", tpc."TD_c5", tpc."TD_c6", tpc."TD_c7", tpc."TD_c8", tpc."TD_c9", tpc."TD_c10",
tpc."TD_c11", tpc."TD_c12", tpc."TD_a1", tpc."TD_a2", tpc."TD_a3", tpc."TD_a4", tpc."TD_a5", tpc."TD_a6", tpc."TD_a7", tpc."TD_a8",
tpc."TD_a9", tpc."TD_a10", tpc."TD_a11", tpc."TD_a12", tpc."TA_c1", tpc."TA_c2", tpc."TA_c3", tpc."TA_c4", tpc."TA_c5",
tpc."TA_c6", tpc."TA_c7", tpc."TA_c8", tpc."TA_c9", tpc."TA_c10", tpc."TA_c11", tpc."TA_c12", tpc."TA_a1", tpc."TA_a2",
tpc."TA_a3", tpc."TA_a4", tpc."TA_a5", tpc."TA_a6", tpc."TA_a7", tpc."TA_a8", tpc."TA_a9", tpc."TA_a10", tpc."TA_a11",
tpc."TA_a12", tpc."TJ_c1", tpc."TJ_c2", tpc."TJ_c3", tpc."TJ_c4", tpc."TJ_c5", tpc."TJ_c6", tpc."TJ_c7", tpc."TJ_c8", tpc."TJ_c9",
tpc."TJ_c10", tpc."TJ_c11", tpc."TJ_c12", tpc."TJ_a1", tpc."TJ_a2", tpc."TJ_a3", tpc."TJ_a4", tpc."TJ_a5", tpc."TJ_a6",
tpc."TJ_a7", tpc."TJ_a8", tpc."TJ_a9", tpc."TJ_a10", tpc."TJ_a11", tpc."TJ_a12", tpc."TZ_c1", tpc."TZ_c2", tpc."TZ_c3",
tpc."TZ_c4", tpc."TZ_c5", tpc."TZ_c6", tpc."TZ_c7", tpc."TZ_c8", tpc."TZ_c9", tpc."TZ_c10", tpc."TZ_c11", tpc."TZ_c12",
tpc."TZ_a1", tpc."TZ_a2", tpc."TZ_a3", tpc."TZ_a4", tpc."TZ_a5", tpc."TZ_a6", tpc."TZ_a7", tpc."TZ_a8", tpc."TZ_a9", tpc."TZ_a10",
tpc."TZ_a11", tpc."TZ_a12" from "demo_dev"."txn_pvt_cust" tpc inner join "demo_dev"."master_customer_list" mcl on tpc."custid" =
mcl."cid" inner join "demo_dev"."cust_gend" cg on mcl."cid" = cg."_PK_" inner join "demo_dev"."cust_state_std" cgs on mcl."cid" =
cgs."_PK_"

```

TERADATA: trforc: COMMIT WORK  
 TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL execution seconds were: 0.428669  
 Total seconds used by the TERADATA ACCESS engine were 0.509693

TERADATA\_180: Prepared: on connection 8  
 SELECT \* FROM "demo\_dev"."ads\_prelim"

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.230306  
 Total seconds used by the TERADATA ACCESS engine were 0.232719

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.032747  
 Total seconds used by the TERADATA ACCESS engine were 1.235215

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.000556  
 Total seconds used by the TERADATA ACCESS engine were 1.164662

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.000564  
 Total seconds used by the TERADATA ACCESS engine were 1.106951

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.016699  
 Total seconds used by the TERADATA ACCESS engine were 1.010492

```

717      run;
NOTE: PROC SQL statements are executed immediately; The RUN statement has no effect.
718
719
NOTE: PROCEDURE SQL used (Total process time):
      real time      1.65 seconds
      cpu time       0.11 seconds

```

TERADATA\_181: Prepared: on connection 4  
 SELECT \* FROM "demo\_dev"."ads\_prelim"

```

720      proc print data=td_demo.ads_prelim;
721      where custid between 12368 and 12378;
722      run;

```

TERADATA: trqacol- No casting. Raw row size=2893, Casted size=2901, CAST\_OVERHEAD\_MAXPERCENT=20%

TERADATA\_182: Prepared: on connection 4

```

SELECT
"custid", "Title", "fullname", "Gender", "StreetAddress", "City", "State", "ZipCode", "Country", "EmailAddress", "TelephoneNumber", "Birthday"
, "CCType", "TX_c1", "TX_c2", "TX_c3", "TX_c4", "TX_c5", "TX_c6", "TX_c7", "TX_c8", "TX_c9", "TX_c10", "TX_c11", "TX_c12", "TX_a1", "TX_a2", "TX_a3"
, "TX_a4", "TX_a5", "TX_a6", "TX_a7", "TX_a8", "TX_a9", "TX_a10", "TX_a11", "TX_a12", "TT_c1", "TT_c2", "TT_c3", "TT_c4", "TT_c5", "TT_c6", "TT_c7",
"TT_c8", "TT_c9", "TT_c10", "TT_c11", "TT_c12", "TT_a1", "TT_a2", "TT_a3", "TT_a4", "TT_a5", "TT_a6", "TT_a7", "TT_a8", "TT_a9", "TT_a10", "TT_a11",
"TT_a12", "TF_c1", "TF_c2", "TF_c3", "TF_c4", "TF_c5", "TF_c6", "TF_c7", "TF_c8", "TF_c9", "TF_c10", "TF_c11", "TF_c12", "TF_a1", "TF_a2", "TF_a3",
"TF_a4", "TF_a5", "TF_a6", "TF_a7", "TF_a8", "TF_a9", "TF_a10", "TF_a11", "TF_a12", "TB_c1", "TB_c2", "TB_c3", "TB_c4", "TB_c5", "TB_c6", "TB_c7",
"TB_c8", "TB_c9", "TB_c10", "TB_c11", "TB_c12", "TB_a1", "TB_a2", "TB_a3", "TB_a4", "TB_a5", "TB_a6", "TB_a7", "TB_a8", "TB_a9", "TB_a10", "TB_a11",
"TB_a12", "TC_c1", "TC_c2", "TC_c3", "TC_c4", "TC_c5", "TC_c6", "TC_c7", "TC_c8", "TC_c9", "TC_c10", "TC_c11", "TC_c12", "TC_a1", "TC_a2", "TC_a3",
"TC_a4", "TC_a5", "TC_a6", "TC_a7", "TC_a8", "TC_a9", "TC_a10", "TC_a11", "TC_a12", "TD_c1", "TD_c2", "TD_c3", "TD_c4", "TD_c5", "TD_c6", "TD_c7",
"TD_c8", "TD_c9", "TD_c10", "TD_c11", "TD_c12", "TD_a1", "TD_a2", "TD_a3", "TD_a4", "TD_a5", "TD_a6", "TD_a7", "TD_a8", "TD_a9", "TD_a10", "TD_a11",
"TD_a12", "TA_c1", "TA_c2", "TA_c3", "TA_c4", "TA_c5", "TA_c6", "TA_c7", "TA_c8", "TA_c9", "TA_c10", "TA_c11", "TA_c12", "TA_a1", "TA_a2", "TA_a3",
"TA_a4", "TA_a5", "TA_a6", "TA_a7", "TA_a8", "TA_a9", "TA_a10", "TA_a11", "TA_a12", "TJ_c1", "TJ_c2", "TJ_c3", "TJ_c4", "TJ_c5", "TJ_c6", "TJ_c7",
"TJ_c8", "TJ_c9", "TJ_c10", "TJ_c11", "TJ_c12", "TJ_a1", "TJ_a2", "TJ_a3", "TJ_a4", "TJ_a5", "TJ_a6", "TJ_a7", "TJ_a8", "TJ_a9", "TJ_a10", "TJ_a11",
"TZ_c1", "TZ_c2", "TZ_c3", "TZ_c4", "TZ_c5", "TZ_c6", "TZ_c7", "TZ_c8", "TZ_c9", "TZ_c10", "TZ_c11", "TZ_c12", "TZ_a1", "TZ_a2", "TZ_a3"

```

```
, "TZ_a4", "TZ_a5", "TZ_a6", "TZ_a7", "TZ_a8", "TZ_a9", "TZ_a10", "TZ_a11", "TZ_a12" FROM "demo_dev"."ads_prelim" WHERE ( ( ("custid"
BETWEEN 12368 AND 12378 ) OR ("custid" BETWEEN 12378 AND 12368 ) ) ) )
```

TERADATA\_183: Executed: on connection 4

```
SELECT
"custid", "Title ", "fullname", "Gender", "StreetAddress", "City", "State", "ZipCode", "Country", "EmailAddress", "TelephoneNumber", "Birthday"
, "CCType", "TX_c1", "TX_c2", "TX_c3", "TX_c4", "TX_c5", "TX_c6", "TX_c7", "TX_c8", "TX_c9", "TX_c10", "TX_c11", "TX_c12", "TX_a1", "TX_a2", "TX_a3"
, "TX_a4", "TX_a5", "TX_a6", "TX_a7", "TX_a8", "TX_a9", "TX_a10", "TX_a11", "TX_a12", "TT_c1", "TT_c2", "TT_c3", "TT_c4", "TT_c5", "TT_c6", "TT_c7",
"TT_c8", "TT_c9", "TT_c10", "TT_c11", "TT_c12", "TT_a1", "TT_a2", "TT_a3", "TT_a4", "TT_a5", "TT_a6", "TT_a7", "TT_a8", "TT_a9", "TT_a10", "TT_a11"
, "TT_a12", "TF_c1", "TF_c2", "TF_c3", "TF_c4", "TF_c5", "TF_c6", "TF_c7", "TF_c8", "TF_c9", "TF_c10", "TF_c11", "TF_c12", "TF_a1", "TF_a2", "TF_a3"
, "TF_a4", "TF_a5", "TF_a6", "TF_a7", "TF_a8", "TF_a9", "TF_a10", "TF_a11", "TF_a12", "TB_c1", "TB_c2", "TB_c3", "TB_c4", "TB_c5", "TB_c6", "TB_c7",
"TB_c8", "TB_c9", "TB_c10", "TB_c11", "TB_c12", "TB_a1", "TB_a2", "TB_a3", "TB_a4", "TB_a5", "TB_a6", "TB_a7", "TB_a8", "TB_a9", "TB_a10", "TB_a11"
, "TB_a12", "TC_c1", "TC_c2", "TC_c3", "TC_c4", "TC_c5", "TC_c6", "TC_c7", "TC_c8", "TC_c9", "TC_c10", "TC_c11", "TC_c12", "TC_a1", "TC_a2", "TC_a3"
, "TC_a4", "TC_a5", "TC_a6", "TC_a7", "TC_a8", "TC_a9", "TC_a10", "TC_a11", "TC_a12", "TD_c1", "TD_c2", "TD_c3", "TD_c4", "TD_c5", "TD_c6", "TD_c7",
"TD_c8", "TD_c9", "TD_c10", "TD_c11", "TD_c12", "TD_a1", "TD_a2", "TD_a3", "TD_a4", "TD_a5", "TD_a6", "TD_a7", "TD_a8", "TD_a9", "TD_a10", "TD_a11"
, "TD_a12", "TA_c1", "TA_c2", "TA_c3", "TA_c4", "TA_c5", "TA_c6", "TA_c7", "TA_c8", "TA_c9", "TA_c10", "TA_c11", "TA_c12", "TA_a1", "TA_a2", "TA_a3"
, "TA_a4", "TA_a5", "TA_a6", "TA_a7", "TA_a8", "TA_a9", "TA_a10", "TA_a11", "TA_a12", "TJ_c1", "TJ_c2", "TJ_c3", "TJ_c4", "TJ_c5", "TJ_c6", "TJ_c7",
"TJ_c8", "TJ_c9", "TJ_c10", "TJ_c11", "TJ_c12", "TJ_a1", "TJ_a2", "TJ_a3", "TJ_a4", "TJ_a5", "TJ_a6", "TJ_a7", "TJ_a8", "TJ_a9", "TJ_a10", "TJ_a11"
, "TJ_a12", "TZ_c1", "TZ_c2", "TZ_c3", "TZ_c4", "TZ_c5", "TZ_c6", "TZ_c7", "TZ_c8", "TZ_c9", "TZ_c10", "TZ_c11", "TZ_c12", "TZ_a1", "TZ_a2", "TZ_a3"
, "TZ_a4", "TZ_a5", "TZ_a6", "TZ_a7", "TZ_a8", "TZ_a9", "TZ_a10", "TZ_a11", "TZ_a12" FROM "demo_dev"."ads_prelim" WHERE ( ( ("custid"
BETWEEN 12368 AND 12378 ) OR ("custid" BETWEEN 12378 AND 12368 ) ) ) )
```

TERADATA: target - rows to fetch: 11

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:

Total row fetch seconds were:	0.005082
Total SQL execution seconds were:	1.029136
Total SQL prepare seconds were:	0.545691
Total seconds used by the TERADATA ACCESS engine were	5.406898

NOTE: PROCEDURE PRINT used (Total process time):

real time	5.54 seconds
cpu time	3.86 seconds

```
723
724 /*
725 define a format
726 */
727
728 proc format ;
729 value txn_amt_band
730 0-1000 = 'low'
731 1001-20000 = 'medium'
732 20001-100000 = 'high'
733 other='extreme';
```

NOTE: Format TXN\_AMT\_BAND is already on the library WORK.FORMATS.

NOTE: Format TXN\_AMT\_BAND has been output.

```
734 run;
```

NOTE: PROCEDURE FORMAT used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

```
735
736 /*needed for format publish macro */
737 %let indconn=server=barbera user=pauls password=pauls database=demo_dev;
738
739 /* now publish this format to the database */
740
741 /*initialise the format publishing system*/
742 %indtdpf;
```

NOTE: libref indbtdm already exists.

NOTE: Using accelmvatera secure macro catalog under existing libref indbtdm.

```
743
744 /*now send the formats to the DB as VDFs*/
745 %indtd_publish_formats (fmtcat=work,
746 database=demodb,
747 fmtable=sas-formats,
748 action=replace,
749 mode=protected);
```

NOTE: DATA statement used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: DATA statement used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt" is:

```
Filename=/tmp/SAS_work332B0000608C_dogwood/SAS_workA9860000608C_dogwood/tempdir/validation.txt,
Owner Name=sasdemo,Group Name=sas,
Access Permission=-rw-r--r--,
Last Modified=15Sep2019:19:02:52
```

NOTE: 1 record was written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt".  
The minimum record length was 41.  
The maximum record length was 41.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: PROCEDURE PRINTTO used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: Fileref BITBUCKT has been deassigned.

NOTE: Format DUMMY\_FORMAT is already on the library WORK.FORMATS.

NOTE: Format DUMMY\_FORMAT has been output.

NOTE: PROCEDURE FORMAT used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: PROCEDURE FORMAT used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: The data set WORK.CNTLOUT has 6 observations and 21 variables.

NOTE: There were 1 observations read from the data set WORK.CNTLOUT.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: There were 6 observations read from the data set WORK.CNTLOUT.

NOTE: The data set WORK.CNTLOUT has 6 observations and 21 variables.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: Variable label\_trans is uninitialized.

NOTE: There were 6 observations read from the data set WORK.CNTLOUT.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile JAZZ is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00620,  
Owner Name=sasdemo, Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52,  
File Size (bytes)=36292

NOTE: 683 records were read from the infile JAZZ.  
The minimum record length was 0.  
The maximum record length was 135.

NOTE: The data set WORK.CNTLIN has 6 observations and 3 variables.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: Format \$STRELEM has been output.

NOTE: PROCEDURE FORMAT used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: There were 6 observations read from the data set WORK.CNTLIN.

NOTE: Deleting WORK.CNTLIN (memtype=DATA).

NOTE: PROCEDURE DELETE used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: There were 6 observations read from the data set WORK.CNTLOUT.

NOTE: The data set WORK.EXTRA has 3 observations and 4 variables.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: Fileref MYCAT has been deassigned.  
NOTE: Table WORK.TMP\_COLUMNS\_SAS created, with 21 rows and 4 columns.

NOTE: PROCEDURE SQL used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: There were 21 observations read from the data set WORK.TMP\_COLUMNS\_SAS.  
NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: There were 6 observations read from the data set WORK.CNTLOUT.  
NOTE: There were 3 observations read from the data set WORK.EXTRA.  
NOTE: The data set WORK.TEMP has 9 observations and 21 variables.  
NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: There were 9 observations read from the data set WORK.TEMP.  
NOTE: The data set WORK.TEMP has 9 observations and 24 variables.  
NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The data set WORK.PICLEN has 1 observations and 2 variables.  
NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: There were 9 observations read from the data set WORK.TEMP.  
NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: There were 9 observations read from the data set WORK.TEMP.  
NOTE: The data set WORK.TEMP has 9 observations and 24 variables.  
NOTE: PROCEDURE SORT used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: There were 9 observations read from the data set WORK.TEMP.  
NOTE: The data set WORK.TEMP has 9 observations and 26 variables.  
NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: There were 9 observations read from the data set WORK.TEMP.  
NOTE: The data set WORK.TEMP has 9 observations and 26 variables.  
NOTE: PROCEDURE SORT used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: There were 9 observations read from the data set WORK.TEMP.  
NOTE: The data set WORK.TEMP has 9 observations and 27 variables.  
NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: There were 9 observations read from the data set WORK.TEMP.  
NOTE: The data set WORK.TEMP has 9 observations and 27 variables.  
NOTE: PROCEDURE SORT used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: There were 9 observations read from the data set WORK.TEMP.  
NOTE: The data set WORK.ENGLISH has 4 observations and 2 variables.  
NOTE: DATA statement used (Total process time):  
    real time            0.00 seconds  
    cpu time             0.00 seconds

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt" is:  
    Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt,  
    Owner Name=sasdemo,Group Name=sas,  
    Access Permission=-rw-r--r--,  
    Last Modified=15Sep2019:19:02:52,  
    File Size (bytes)=42

NOTE: 0 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt".  
NOTE: There were 9 observations read from the data set WORK.TEMP.  
NOTE: There were 4 observations read from the data set WORK.ENGLISH.  
NOTE: The data set WORK.TEMP has 9 observations and 27 variables.  
NOTE: DATA statement used (Total process time):  
    real time            0.00 seconds  
    cpu time             0.00 seconds

NOTE: Deleting WORK.ENGLISH (memtype=DATA).  
NOTE: PROCEDURE DELETE used (Total process time):  
    real time            0.00 seconds  
    cpu time             0.00 seconds

NOTE: There were 9 observations read from the data set WORK.TEMP.  
NOTE: The data set WORK.TEMPNUM has 6 observations and 30 variables.  
NOTE: The data set WORK.TEMPCHAR has 3 observations and 30 variables.  
NOTE: DATA statement used (Total process time):  
    real time            0.00 seconds  
    cpu time             0.00 seconds

NOTE: There were 3 observations read from the data set WORK.TEMPCHAR.  
NOTE: The data set WORK.TEMPCHAR has 3 observations and 30 variables.  
NOTE: PROCEDURE SORT used (Total process time):  
    real time            0.00 seconds  
    cpu time             0.00 seconds

NOTE: There were 6 observations read from the data set WORK.TEMPNUM.  
NOTE: There were 3 observations read from the data set WORK.TEMPCHAR.  
NOTE: The data set WORK.TEMP has 9 observations and 29 variables.  
NOTE: DATA statement used (Total process time):  
    real time            0.00 seconds  
    cpu time             0.01 seconds

NOTE: Deleting WORK.TEMPNUM (memtype=DATA).  
NOTE: Deleting WORK.TEMPCHAR (memtype=DATA).  
NOTE: PROCEDURE DELETE used (Total process time):  
    real time            0.00 seconds  
    cpu time             0.00 seconds

NOTE: Variable cstring2 is uninitialized.  
NOTE: The file RNGARRAY is:  
    Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00646,  
    Owner Name=sasdemo,Group Name=sas,  
    Access Permission=-rw-r--r--,  
    Last Modified=15Sep2019:19:02:52

NOTE: The file NRANGES is:  
    Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00642,  
    Owner Name=sasdemo,Group Name=sas,  
    Access Permission=-rw-r--r--,  
    Last Modified=15Sep2019:19:02:52

NOTE: The file CRANGES is:  
    Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00643,  
    Owner Name=sasdemo,Group Name=sas,  
    Access Permission=-rw-r--r--,  
    Last Modified=15Sep2019:19:02:52

NOTE: The file FMTASLBL is:  
    Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00647,  
    Owner Name=sasdemo,Group Name=sas,  
    Access Permission=-rw-r--r--,  
    Last Modified=15Sep2019:19:02:52

NOTE: The file LABELS is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00644,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52

NOTE: The file PLABELS is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00645,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52

NOTE: The file HEADERS is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00641,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52

NOTE: 6 records were written to the file RNGARRAY.  
The minimum record length was 19.  
The maximum record length was 28.

NOTE: 16 records were written to the file NRANGES.  
The minimum record length was 6.  
The maximum record length was 75.

NOTE: 0 records were written to the file CRANGES.

NOTE: 0 records were written to the file FMTASLBL.

NOTE: 1 record was written to the file LABELS.  
The minimum record length was 18.  
The maximum record length was 18.

NOTE: 0 records were written to the file PLABELS.

NOTE: 20 records were written to the file HEADERS.  
The minimum record length was 3.  
The maximum record length was 133.

NOTE: There were 9 observations read from the data set WORK.TEMP.

NOTE: The data set WORK.TEMP has 1 observations and 8 variables.

NOTE: The data set WORK.CRANGES has 10 observations and 4 variables.

NOTE: The data set WORK.LABELS has 29 observations and 4 variables.

NOTE: DATA statement used (Total process time):  
real time 0.01 seconds  
cpu time 0.02 seconds

NOTE: Deleting entry STRELEM.FORMATC in catalog WORK.FORMATS.

NOTE: PROCEDURE CATALOG used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: There were 10 observations read from the data set WORK.CRANGES.

NOTE: The data set WORK.CRANGES has 10 observations and 4 variables.

NOTE: PROCEDURE SORT used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: There were 29 observations read from the data set WORK.LABELS.

NOTE: The data set WORK.LABELS has 29 observations and 4 variables.

NOTE: PROCEDURE SORT used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: DATA STEP view saved on file WORK.BOTH.

NOTE: A stored DATA STEP view cannot run under a different operating system.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: View WORK.BOTH.VIEW used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: There were 10 observations read from the data set WORK.CRANGES.

NOTE: There were 29 observations read from the data set WORK.LABELS.

NOTE: There were 39 observations read from the data set WORK.BOTH.

NOTE: The data set WORK.STRUCTDEFS has 8 observations and 1 variables.

NOTE: PROCEDURE FREQ used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: The file SINGCHAR is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00649,  
Owner Name=sasdemo,Group Name=sas,

```
Access Permission=-rw-r--r--,
Last Modified=15Sep2019:19:02:52
```

```
NOTE: The infile FMTASLBL is:
Filename=/tmp/SAS_work332B0000608C_dogwood/#LN00647,
Owner Name=sasdemo,Group Name=sas,
Access Permission=-rw-r--r--,
Last Modified=15Sep2019:19:02:52,
File Size (bytes)=0
```

```
NOTE: The infile PLABELS is:
Filename=/tmp/SAS_work332B0000608C_dogwood/#LN00645,
Owner Name=sasdemo,Group Name=sas,
Access Permission=-rw-r--r--,
Last Modified=15Sep2019:19:02:52,
File Size (bytes)=0
```

```
NOTE: The infile NRANGES is:
Filename=/tmp/SAS_work332B0000608C_dogwood/#LN00642,
Owner Name=sasdemo,Group Name=sas,
Access Permission=-rw-r--r--,
Last Modified=15Sep2019:19:02:52,
File Size (bytes)=666
```

```
NOTE: The infile HEADERS is:
Filename=/tmp/SAS_work332B0000608C_dogwood/#LN00641,
Owner Name=sasdemo,Group Name=sas,
Access Permission=-rw-r--r--,
Last Modified=15Sep2019:19:02:52,
File Size (bytes)=1122
```

```
NOTE: The infile RNGARRAY is:
Filename=/tmp/SAS_work332B0000608C_dogwood/#LN00646,
Owner Name=sasdemo,Group Name=sas,
Access Permission=-rw-r--r--,
Last Modified=15Sep2019:19:02:52,
File Size (bytes)=157
```

```
NOTE: 120 records were written to the file SINGCHAR.
The minimum record length was 1.
The maximum record length was 167.
```

```
NOTE: 0 records were read from the infile FMTASLBL.
```

```
NOTE: 0 records were read from the infile PLABELS.
```

```
NOTE: 16 records were read from the infile NRANGES.
```

```
The minimum record length was 6.
The maximum record length was 75.
```

```
NOTE: 20 records were read from the infile HEADERS.
```

```
The minimum record length was 3.
The maximum record length was 133.
```

```
NOTE: 6 records were read from the infile RNGARRAY.
```

```
The minimum record length was 19.
The maximum record length was 28.
```

```
NOTE: There were 1 observations read from the data set WORK.TEMP.
```

```
NOTE: DATA statement used (Total process time):
```

```
real time      0.00 seconds
cpu time       0.00 seconds
```

```
NOTE: The infile SINGCHAR is:
Filename=/tmp/SAS_work332B0000608C_dogwood/#LN00649,
Owner Name=sasdemo,Group Name=sas,
Access Permission=-rw-r--r--,
Last Modified=15Sep2019:19:02:52,
File Size (bytes)=4104
```

```
NOTE: The file UFMT is:
Filename=/tmp/SAS_work332B0000608C_dogwood/#LN00640,
Owner Name=sasdemo,Group Name=sas,
Access Permission=-rw-r--r--,
Last Modified=15Sep2019:19:02:52
```

```
NOTE: 4104 records were read from the infile SINGCHAR.
```

```
NOTE: 4104 records were written to the file UFMT.
```

```
NOTE: DATA statement used (Total process time):
```

```
real time      0.00 seconds
cpu time       0.00 seconds
```

```
NOTE: Fileref HEADERS has been deassigned.
```

```
NOTE: Fileref NRANGES has been deassigned.
```

```
NOTE: Fileref CRANGES has been deassigned.
```

```
NOTE: Fileref LABELS has been deassigned.
```

```
NOTE: Fileref PLABELS has been deassigned.
```

```
NOTE: Fileref RNGARRAY has been deassigned.
```

```
NOTE: Fileref SINGCHAR has been deassigned.
```

```
NOTE: Fileref FMTASLBL has been deassigned.
```

```
NOTE: The infile UFMT is:
Filename=/tmp/SAS_work332B0000608C_dogwood/#LN00640,
Owner Name=sasdemo,Group Name=sas,
Access Permission=-rw-r--r--,
```



Last Modified=15Sep2019:19:02:52,  
File Size (bytes)=4104

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/ufmt.h" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/ufmt.h,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52

NOTE: 120 records were read from the infile Ufmt.  
The minimum record length was 1.  
The maximum record length was 167.

NOTE: 120 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/ufmt.h".  
The minimum record length was 1.  
The maximum record length was 167.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: The infile JAZZ is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00620,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52,  
File Size (bytes)=36292

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/jazz.h" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/jazz.h,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52

NOTE: 683 records were read from the infile JAZZ.  
The minimum record length was 0.  
The maximum record length was 135.

NOTE: 683 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/jazz.h".  
The minimum record length was 0.  
The maximum record length was 135.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: The infile FORMCOMN is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00621,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52,  
File Size (bytes)=3222

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/form\_common.h" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/form\_common.h,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52

NOTE: 133 records were read from the infile FORMCOMN.  
The minimum record length was 0.  
The maximum record length was 112.

NOTE: 133 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/form\_common.h".  
The minimum record length was 0.  
The maximum record length was 112.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile FORMT is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00636,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52,  
File Size (bytes)=859

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formt.c" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formt.c,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52

NOTE: 29 records were read from the infile FORMT.  
The minimum record length was 0.  
The maximum record length was 144.

NOTE: 29 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formt.c".  
The minimum record length was 0.  
The maximum record length was 144.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds

cpu time 0.00 seconds

NOTE: The infile FORMN is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00632,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52,  
File Size (bytes)=842

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formn.c" is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formn.c,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52

NOTE: 29 records were read from the infile FORMN.

The minimum record length was 0.  
The maximum record length was 139.

NOTE: 29 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formn.c".

The minimum record length was 0.  
The maximum record length was 139.

NOTE: DATA statement used (Total process time):

real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile FORMTS is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00638,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52,  
File Size (bytes)=916

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formts.c" is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formts.c,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52

NOTE: 29 records were read from the infile FORMTS.

The minimum record length was 0.  
The maximum record length was 161.

NOTE: 29 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formts.c".

The minimum record length was 0.  
The maximum record length was 161.

NOTE: DATA statement used (Total process time):

real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile FORMC is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00628,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52,  
File Size (bytes)=928

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formc.c" is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formc.c,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52

NOTE: 30 records were read from the infile FORMC.

The minimum record length was 0.  
The maximum record length was 143.

NOTE: 30 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formc.c".

The minimum record length was 0.  
The maximum record length was 143.

NOTE: DATA statement used (Total process time):

real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile FORMD is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00630,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52,  
File Size (bytes)=863

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formd.c" is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formd.c,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52

NOTE: 30 records were read from the infile FORMD.  
The minimum record length was 0.  
The maximum record length was 146.

NOTE: 30 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/temppdir/formd.c".  
The minimum record length was 0.  
The maximum record length was 146.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile FORMSTUB is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00634,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52,  
File Size (bytes)=11702

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/temppdir/formstub.c" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/temppdir/formstub.c,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52

NOTE: 464 records were read from the infile FORMSTUB.  
The minimum record length was 0.  
The maximum record length was 111.

NOTE: 464 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/temppdir/formstub.c".  
The minimum record length was 0.  
The maximum record length was 111.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile FORMTL is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00637,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52,  
File Size (bytes)=1019

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/temppdir/formtl.c" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/temppdir/formtl.c,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52

NOTE: 33 records were read from the infile FORMTL.  
The minimum record length was 0.  
The maximum record length was 160.

NOTE: 33 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/temppdir/formtl.c".  
The minimum record length was 0.  
The maximum record length was 160.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile FORMNL is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00633,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52,  
File Size (bytes)=998

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/temppdir/formnl.c" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/temppdir/formnl.c,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52

NOTE: 33 records were read from the infile FORMNL.  
The minimum record length was 0.  
The maximum record length was 153.

NOTE: 33 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/temppdir/formnl.c".  
The minimum record length was 0.  
The maximum record length was 153.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile FORMTSL is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00639,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52,

File Size (bytes)=1076

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formtsl.c" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formtsl.c,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52

NOTE: 33 records were read from the infile FORMTSL.  
The minimum record length was 0.  
The maximum record length was 175.

NOTE: 33 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formtsl.c".  
The minimum record length was 0.  
The maximum record length was 175.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile FORMCL is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00629,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52,  
File Size (bytes)=1015

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formcl.c" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formcl.c,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52

NOTE: 34 records were read from the infile FORMCL.  
The minimum record length was 0.  
The maximum record length was 159.

NOTE: 34 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formcl.c".  
The minimum record length was 0.  
The maximum record length was 159.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile FORMDL is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00631,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52,  
File Size (bytes)=1018

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formdl.c" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formdl.c,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52

NOTE: 33 records were read from the infile FORMDL.  
The minimum record length was 0.  
The maximum record length was 160.

NOTE: 33 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/formdl.c".  
The minimum record length was 0.  
The maximum record length was 160.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52,  
File Size (bytes)=42

NOTE: 1 record was written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt".  
The minimum record length was 46.  
The maximum record length was 46.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

TERADATA\_184: Prepared: on connection 4  
select \* from dbc.dbcinfo where upper(infokey) = 'VERSION'

TERADATA\_185: Executed: on connection 4  
select \* from dbc.dbcinfo where upper(infokey) = 'VERSION'

TERADATA: trget - rows to fetch: 1

Summary Statistics for TERADATA are:  
Total row fetch seconds were: 0.000003  
Total SQL execution seconds were: 0.041537  
Total SQL prepare seconds were: 0.026544  
Total seconds used by the TERADATA ACCESS engine were 0.068613

TERADATA\_186: Prepared: on connection 4  
select \* from dbc.dbcinfo where upper(infokey) = 'RELEASE'

TERADATA\_187: Executed: on connection 4  
select \* from dbc.dbcinfo where upper(infokey) = 'RELEASE'

TERADATA: trget - rows to fetch: 1

Summary Statistics for TERADATA are:  
Total row fetch seconds were: 0.000003  
Total SQL execution seconds were: 0.014893  
Total SQL prepare seconds were: 0.007263  
Total seconds used by the TERADATA ACCESS engine were 0.022579

TERADATA\_188: Prepared: on connection 4  
select top 1 platform from dbc.functions where execprotectionmode in ('P','U')

TERADATA\_189: Executed: on connection 4  
select top 1 platform from dbc.functions where execprotectionmode in ('P','U')

TERADATA: trget - rows to fetch: 1

Summary Statistics for TERADATA are:  
Total row fetch seconds were: 0.000003  
Total SQL execution seconds were: 0.065934  
Total SQL prepare seconds were: 0.032330  
Total seconds used by the TERADATA ACCESS engine were 0.098718

NOTE: PROCEDURE SQL used (Total process time):  
real time 0.35 seconds  
cpu time 0.01 seconds

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:52,  
File Size (bytes)=89

NOTE: 2 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt".  
The minimum record length was 37.  
The maximum record length was 91.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: The file BTEQCODE is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00666,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:53,  
File Size (bytes)=0

NOTE: 14 records were written to the file BTEQCODE.  
The minimum record length was 2.  
The maximum record length was 60.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file BTEQCODE is:

```
Filename=/tmp/SAS_work332B0000608C_dogwood/#LN00666,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:53,  
File Size (bytes)=421
```

NOTE: 13 records were written to the file BTEQCODE.  
The minimum record length was 5.  
The maximum record length was 60.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file BTEQCODE is:

```
Filename=/tmp/SAS_work332B0000608C_dogwood/#LN00666,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:53,  
File Size (bytes)=821
```

NOTE: 13 records were written to the file BTEQCODE.  
The minimum record length was 5.  
The maximum record length was 76.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: The file BTEQCODE is:

```
Filename=/tmp/SAS_work332B0000608C_dogwood/#LN00666,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:53,  
File Size (bytes)=1250
```

NOTE: 13 records were written to the file BTEQCODE.  
The minimum record length was 5.  
The maximum record length was 60.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file BTEQCODE is:

```
Filename=/tmp/SAS_work332B0000608C_dogwood/#LN00666,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:53,  
File Size (bytes)=1649
```

NOTE: 13 records were written to the file BTEQCODE.  
The minimum record length was 5.  
The maximum record length was 60.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file BTEQCODE is:

```
Filename=/tmp/SAS_work332B0000608C_dogwood/#LN00666,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:53,  
File Size (bytes)=2048
```

NOTE: 13 records were written to the file BTEQCODE.  
The minimum record length was 5.  
The maximum record length was 60.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: The file BTEQCODE is:

```
Filename=/tmp/SAS_work332B0000608C_dogwood/#LN00666,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:53,  
File Size (bytes)=2454
```

NOTE: 13 records were written to the file BTEQCODE.  
The minimum record length was 5.  
The maximum record length was 117.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file BTEQCODE is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00666,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:53,  
File Size (bytes)=2927

NOTE: 13 records were written to the file BTEQCODE.  
The minimum record length was 5.  
The maximum record length was 146.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file BTEQCODE is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00666,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:53,  
File Size (bytes)=3429

NOTE: 13 records were written to the file BTEQCODE.  
The minimum record length was 5.  
The maximum record length was 116.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file BTEQCODE is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00666,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:53,  
File Size (bytes)=3901

NOTE: 13 records were written to the file BTEQCODE.  
The minimum record length was 5.  
The maximum record length was 116.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file BTEQCODE is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00666,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:53,  
File Size (bytes)=4373

NOTE: 13 records were written to the file BTEQCODE.  
The minimum record length was 5.  
The maximum record length was 121.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile BTEQCODE is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00666,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:53,  
File Size (bytes)=4852

NOTE: The file BTEQINPT is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQInput.txt,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:53

NOTE: 144 records were read from the infile BTEQCODE.  
The minimum record length was 2.  
The maximum record length was 146.

NOTE: 144 records were written to the file BTEQINPT.  
The minimum record length was 2.  
The maximum record length was 146.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The data set WORK.CFILES has 14 observations and 2 variables.

NOTE: DATA statement used (Total process time):

real time	0.00 seconds
cpu time	0.01 seconds

NOTE: Fileref MYDIR has been deassigned.

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt" is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:53,  
File Size (bytes)=219

NOTE: 0 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt".

NOTE: There were 14 observations read from the data set WORK.CFILES.

NOTE: DATA statement used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: Deleting WORK.CFILES (memtype=DATA).

NOTE: PROCEDURE DELETE used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutput.log" is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutput.log,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:53

NOTE: 1 record was written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutput.log".

The minimum record length was 0.  
The maximum record length was 0.

NOTE: DATA statement used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: DATA statement used (Total process time):

real time	0.00 seconds
cpu time	0.01 seconds

NOTE: PROCEDURE TEMPLATE used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: PROCEDURE SQL used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: PROCEDURE SQL used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: PROCEDURE PRINTTO used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: The infile LOGFILE is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00669,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:59,  
File Size (bytes)=7812

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutput.log" is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutput.log,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:59

NOTE: 175 records were read from the infile LOGFILE.

The minimum record length was 0.  
The maximum record length was 133.

NOTE: 175 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutput.log".

The minimum record length was 0.  
The maximum record length was 133.

NOTE: DATA statement used (Total process time):

real time	0.00 seconds
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cpu time 0.00 seconds

NOTE: The infile LSTFILE is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00670,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:53,  
File Size (bytes)=0

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutput.log" is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutput.log,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:59,  
File Size (bytes)=7812

NOTE: 0 records were read from the infile LSTFILE.

NOTE: 0 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutput.log".

NOTE: DATA statement used (Total process time):

real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: The infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutput.log" is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutput.log,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:59,  
File Size (bytes)=7812

NOTE: 175 records were read from the infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutput.log".

The minimum record length was 0.  
The maximum record length was 133.

NOTE: DATA statement used (Total process time):

real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt" is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:53,  
File Size (bytes)=219

NOTE: The infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutput.log" is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutput.log,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:59,  
File Size (bytes)=7812

NOTE: 11 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt".

The minimum record length was 49.  
The maximum record length was 54.

NOTE: 175 records were read from the infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutput.log".

The minimum record length was 0.  
The maximum record length was 133.

NOTE: DATA statement used (Total process time):

real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file BTEQCODE is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00666,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:59

NOTE: 11 records were written to the file BTEQCODE.

The minimum record length was 52.  
The maximum record length was 55.

NOTE: DATA statement used (Total process time):

real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile BTEQCODE is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00666,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:59,  
File Size (bytes)=593

NOTE: The file BTEQINPT is:

Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQInput.txt,

```

Owner Name=sasdemo,Group Name=sas,
Access Permission=-rw-r--r--,
Last Modified=15Sep2019:19:02:53,
File Size (bytes)=4852

```

```

NOTE: 11 records were read from the infile BTEQCODE.
      The minimum record length was 52.
      The maximum record length was 55.
NOTE: 11 records were written to the file BTEQINPT.
      The minimum record length was 52.
      The maximum record length was 55.
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time           0.00 seconds

```

```

NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time           0.00 seconds

```

```

NOTE: PROCEDURE TEMPLATE used (Total process time):
      real time          0.00 seconds
      cpu time           0.00 seconds

```

```

NOTE: PROCEDURE SQL used (Total process time):
      real time          0.00 seconds
      cpu time           0.00 seconds

```

```

NOTE: PROCEDURE SQL used (Total process time):
      real time          0.00 seconds
      cpu time           0.00 seconds

```

```

NOTE: PROCEDURE PRINTTO used (Total process time):
      real time          0.00 seconds
      cpu time           0.00 seconds

```

```

NOTE: The infile LOGFILE is:
      Filename=/tmp/SAS_work332B0000608C_dogwood/#LN00676,
      Owner Name=sasdemo,Group Name=sas,
      Access Permission=-rw-r--r--,
      Last Modified=15Sep2019:19:03:00,
      File Size (bytes)=1643

```

```

NOTE: The file "/tmp/SAS_work332B0000608C_dogwood/SAS_workA9860000608C_dogwood/tmpdir/BTEQOutputAlter.log" is:
      Filename=/tmp/SAS_work332B0000608C_dogwood/SAS_workA9860000608C_dogwood/tmpdir/BTEQOutputAlter.log,
      Owner Name=sasdemo,Group Name=sas,
      Access Permission=-rw-r--r--,
      Last Modified=15Sep2019:19:03:00

```

```

NOTE: 35 records were read from the infile LOGFILE.
      The minimum record length was 0.
      The maximum record length was 90.
NOTE: 35 records were written to the file
      "/tmp/SAS_work332B0000608C_dogwood/SAS_workA9860000608C_dogwood/tmpdir/BTEQOutputAlter.log".
      The minimum record length was 0.
      The maximum record length was 90.
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time           0.00 seconds

```

```

NOTE: The infile LSTFILE is:
      Filename=/tmp/SAS_work332B0000608C_dogwood/#LN00677,
      Owner Name=sasdemo,Group Name=sas,
      Access Permission=-rw-r--r--,
      Last Modified=15Sep2019:19:02:59,
      File Size (bytes)=0

```

```

NOTE: The file "/tmp/SAS_work332B0000608C_dogwood/SAS_workA9860000608C_dogwood/tmpdir/BTEQOutputAlter.log" is:
      Filename=/tmp/SAS_work332B0000608C_dogwood/SAS_workA9860000608C_dogwood/tmpdir/BTEQOutputAlter.log,
      Owner Name=sasdemo,Group Name=sas,
      Access Permission=-rw-r--r--,
      Last Modified=15Sep2019:19:03:00,
      File Size (bytes)=1643

```

```

NOTE: 0 records were read from the infile LSTFILE.
NOTE: 0 records were written to the file
      "/tmp/SAS_work332B0000608C_dogwood/SAS_workA9860000608C_dogwood/tmpdir/BTEQOutputAlter.log".
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time           0.00 seconds

```

NOTE: The infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutputAlter.log" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutputAlter.log,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:00,  
File Size (bytes)=1643

NOTE: 35 records were read from the infile  
"/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutputAlter.log".  
The minimum record length was 0.  
The maximum record length was 90.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:59,  
File Size (bytes)=779

NOTE: The infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutputAlter.log" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutputAlter.log,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:00,  
File Size (bytes)=1643

NOTE: 0 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt".

NOTE: 35 records were read from the infile  
"/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/BTEQOutputAlter.log".  
The minimum record length was 0.  
The maximum record length was 90.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file SQLINPT is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.txt,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:00

NOTE: 1 record was written to the file SQLINPT.  
The minimum record length was 23.  
The maximum record length was 23.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file SQLINPT is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.txt,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:00,  
File Size (bytes)=24

NOTE: 2 records were written to the file SQLINPT.  
The minimum record length was 25.  
The maximum record length was 69.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:00

NOTE: 1 record was written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log".  
The minimum record length was 0.  
The maximum record length was 0.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: PROCEDURE TEMPLATE used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: PROCEDURE SQL used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: PROCEDURE SQL used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: PROCEDURE PRINTTO used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile LOGFILE is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00684,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:01,  
File Size (bytes)=729

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:01

NOTE: 19 records were read from the infile LOGFILE.  
The minimum record length was 0.  
The maximum record length was 95.

NOTE: 19 records were written to the file  
"/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log".  
The minimum record length was 0.  
The maximum record length was 95.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile LSTFILE is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00685,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:00,  
File Size (bytes)=0

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:01,  
File Size (bytes)=729

NOTE: 0 records were read from the infile LSTFILE.

NOTE: 0 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log".

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:01,  
File Size (bytes)=729

NOTE: 19 records were read from the infile  
"/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log".  
The minimum record length was 0.  
The maximum record length was 95.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:59,

File Size (bytes)=779

NOTE: The infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:01,  
File Size (bytes)=729

NOTE: 0 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt".

NOTE: 19 records were read from the infile  
"/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log".  
The minimum record length was 0.  
The maximum record length was 95.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:01,  
File Size (bytes)=729

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:59,  
File Size (bytes)=779

NOTE: 19 records were read from the infile  
"/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/CreateFmmtabl.log".  
The minimum record length was 0.  
The maximum record length was 95.

NOTE: 0 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt".  
NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file VALIDFMT is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00693,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:01

NOTE: 41 records were written to the file VALIDFMT.  
The minimum record length was 11.  
The maximum record length was 79.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: SAS went to a new line when INPUT statement reached past the end of a line.

NOTE: The data set WORK.CNTLIN has 332 observations and 3 variables.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: Format \$SAFMTS has been output.

NOTE: PROCEDURE FORMAT used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: There were 332 observations read from the data set WORK.CNTLIN.

NOTE: Fileref VALIDFMT has been deassigned.

NOTE: Deleting entry SAFMTS.FORMATC in catalog WORK.FORMATS.

NOTE: PROCEDURE CATALOG used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: There were 6 observations read from the data set WORK.CNTLOUT.

NOTE: The data set WORK.TEMP has 3 observations and 1 variables.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: There were 3 observations read from the data set WORK.TEMP.  
NOTE: There were 332 observations read from the data set WORK.CNTLIN.  
NOTE: The data set WORK.TEMP has 335 observations and 2 variables.  
NOTE: DATA statement used (Total process time):  
    real time          0.00 seconds  
    cpu time           0.00 seconds

NOTE: There were 335 observations read from the data set WORK.TEMP.  
NOTE: The data set WORK.TEMP has 335 observations and 2 variables.  
NOTE: PROCEDURE SORT used (Total process time):  
    real time          0.00 seconds  
    cpu time           0.01 seconds

NOTE: The file SQLINPT is:  
    Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/InsertFmmtabl.txt,  
    Owner Name=sasdemo,Group Name=sas,  
    Access Permission=-rw-r--r--,  
    Last Modified=15Sep2019:19:03:01

NOTE: 335 records were written to the file SQLINPT.  
    The minimum record length was 80.  
    The maximum record length was 95.  
NOTE: There were 335 observations read from the data set WORK.TEMP.  
NOTE: DATA statement used (Total process time):  
    real time          0.00 seconds  
    cpu time           0.00 seconds

NOTE: DATA statement used (Total process time):  
    real time          0.00 seconds  
    cpu time           0.00 seconds

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/InsertFmmtabl.log" is:  
    Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/InsertFmmtabl.log,  
    Owner Name=sasdemo,Group Name=sas,  
    Access Permission=-rw-r--r--,  
    Last Modified=15Sep2019:19:03:01

NOTE: 1 record was written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/InsertFmmtabl.log".  
    The minimum record length was 0.  
    The maximum record length was 0.  
NOTE: DATA statement used (Total process time):  
    real time          0.00 seconds  
    cpu time           0.00 seconds

NOTE: DATA statement used (Total process time):  
    real time          0.00 seconds  
    cpu time           0.01 seconds

NOTE: PROCEDURE TEMPLATE used (Total process time):  
    real time          0.00 seconds  
    cpu time           0.00 seconds

NOTE: PROCEDURE SQL used (Total process time):  
    real time          0.00 seconds  
    cpu time           0.00 seconds

NOTE: PROCEDURE SQL used (Total process time):  
    real time          0.00 seconds  
    cpu time           0.00 seconds

NOTE: PROCEDURE PRINTTO used (Total process time):  
    real time          0.00 seconds  
    cpu time           0.00 seconds

NOTE: The infile LOGFILE is:  
    Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00695,  
    Owner Name=sasdemo,Group Name=sas,  
    Access Permission=-rw-r--r--,  
    Last Modified=15Sep2019:19:03:06,  
    File Size (bytes)=49803

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/InsertFmmtabl.log" is:  
    Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/InsertFmmtabl.log,  
    Owner Name=sasdemo,Group Name=sas,  
    Access Permission=-rw-r--r--,  
    Last Modified=15Sep2019:19:03:06

NOTE: 706 records were read from the infile LOGFILE.  
The minimum record length was 0.  
The maximum record length was 133.

NOTE: 706 records were written to the file  
"/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tmpdir/InsertFmmtabl.log".  
The minimum record length was 0.  
The maximum record length was 133.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile LSTFILE is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00696,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:01,  
File Size (bytes)=0

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tmpdir/InsertFmmtabl.log" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tmpdir/InsertFmmtabl.log,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:06,  
File Size (bytes)=49803

NOTE: 0 records were read from the infile LSTFILE.  
NOTE: 0 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tmpdir/InsertFmmtabl.log".

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: The infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tmpdir/InsertFmmtabl.log" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tmpdir/InsertFmmtabl.log,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:06,  
File Size (bytes)=49803

NOTE: 706 records were read from the infile  
"/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tmpdir/InsertFmmtabl.log".  
The minimum record length was 0.  
The maximum record length was 133.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tmpdir/validation.txt" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tmpdir/validation.txt,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:59,  
File Size (bytes)=779

NOTE: The infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tmpdir/InsertFmmtabl.log" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tmpdir/InsertFmmtabl.log,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:06,  
File Size (bytes)=49803

NOTE: 0 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tmpdir/validation.txt".

NOTE: 706 records were read from the infile  
"/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tmpdir/InsertFmmtabl.log".  
The minimum record length was 0.  
The maximum record length was 133.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tmpdir/InsertFmmtabl.log" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tmpdir/InsertFmmtabl.log,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:06,  
File Size (bytes)=49803

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tmpdir/validation.txt" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tmpdir/validation.txt,  
Owner Name=sasdemo,Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:02:59,  
File Size (bytes)=779

```

NOTE: 706 records were read from the infile
      "/tmp/SAS_work332B0000608C_dogwood/SAS_workA9860000608C_dogwood/tmpdir/InsertFmtdtbl.log".
      The minimum record length was 0.
      The maximum record length was 133.
NOTE: 1 record was written to the file "/tmp/SAS_work332B0000608C_dogwood/SAS_workA9860000608C_dogwood/tmpdir/validation.txt".
      The minimum record length was 54.
      The maximum record length was 54.
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time           0.00 seconds

NOTE: The infile "/tmp/SAS_work332B0000608C_dogwood/SAS_workA9860000608C_dogwood/tmpdir/validation.txt" is:
      Filename=/tmp/SAS_work332B0000608C_dogwood/SAS_workA9860000608C_dogwood/tmpdir/validation.txt,
      Owner Name=sasdemo, Group Name=sas,
      Access Permission=-rw-r--r--,
      Last Modified=15Sep2019:19:03:06,
      File Size (bytes)=834

Validation information for format catalog
NOTE: %indtd_publish_formats Macro Version 1.4
NOTE: Teradata Version: 16.20.29.01 Teradata Release: 16.20.29.01 Teradata_NS_Supported: 1
Teradata Platform (if known): LINUX64
NOTE: Function sas_put_stub was successfully replaced.
NOTE: Function sas_put was successfully replaced.
NOTE: Function sas_put was successfully replaced.
NOTE: Function sas_put was successfully replaced.
NOTE: Function sas_put was successfully replaced.
NOTE: Function sas_put was successfully replaced.
NOTE: Function sas_puti was successfully replaced.
NOTE: Function sas_puti was successfully replaced.
NOTE: Function sas_puti was successfully replaced.
NOTE: Function sas_puti was successfully replaced.
NOTE: Function sas_puti was successfully replaced.
NOTE: Function sas_puti was successfully replaced.
NOTE: Function sas_puti was successfully replaced.
NOTE: Function sas_puti was successfully replaced.
The format table sas_formats was created successfully.
NOTE: 16 records were read from the infile "/tmp/SAS_work332B0000608C_dogwood/SAS_workA9860000608C_dogwood/tmpdir/validation.txt".
      The minimum record length was 37.
      The maximum record length was 91.
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time           0.00 seconds

```

```

1284
1285      /*use this format in a proc freq
1286      notice in the log we see the SQL
1287      the format has been written as SQL in the where clause
1288      as a case statement
1289      This is faster than having to call a VDF.
1290      If the Access engine is unable to rewrite the SQL to
1291      accomodate the format, it will call the sas_put VDF */
1292

```

```

TERADATA_190: Prepared: on connection 4
SELECT * FROM "demo_dev"."ads_prelim"

```

```

1293      proc freq data=td_demo.ads_prelim;
1294      format TX_a1-TX_a12 txn_amt_band.;
1295      tables TX_a1-TX_a12 * gender;
1296      run;

```

```

TERADATA: tryoeinf()
TERADATA: tryoeinf()
TERADATA: tryoeinf()

```

```

TERADATA_191: Prepared: on connection 5
SELECT * FROM "demo_dev"."ads_prelim"

```

```

TERADATA_192: Prepared: on connection 6
select COUNT(*) as "ZSQL1", case when COUNT(*) > COUNT(TXT_1."TX_a1") then NULL else MIN(TXT_1."TX_a1") end as "ZSQL2",
MAX(TXT_1."TX_a1") as "ZSQL3", case when COUNT(*) > COUNT(TXT_1."Gender") then ' ' else MIN(TXT_1."Gender") end as "ZSQL4", case
when COUNT(*) > COUNT(TXT_1."TX_a2") then NULL else MIN(TXT_1."TX_a2") end as "ZSQL5", MAX(TXT_1."TX_a2") as "ZSQL6", case when
COUNT(*) > COUNT(TXT_1."TX_a3") then NULL else MIN(TXT_1."TX_a3") end as "ZSQL7", MAX(TXT_1."TX_a3") as "ZSQL8", case when
COUNT(*) > COUNT(TXT_1."TX_a4") then NULL else MIN(TXT_1."TX_a4") end as "ZSQL9", MAX(TXT_1."TX_a4") as "ZSQL10", case when
COUNT(*) > COUNT(TXT_1."TX_a5") then NULL else MIN(TXT_1."TX_a5") end as "ZSQL11", MAX(TXT_1."TX_a5") as "ZSQL12", case when
COUNT(*) > COUNT(TXT_1."TX_a6") then NULL else MIN(TXT_1."TX_a6") end as "ZSQL13", MAX(TXT_1."TX_a6") as "ZSQL14", case when
COUNT(*) > COUNT(TXT_1."TX_a7") then NULL else MIN(TXT_1."TX_a7") end as "ZSQL15", MAX(TXT_1."TX_a7") as "ZSQL16", case when
COUNT(*) > COUNT(TXT_1."TX_a8") then NULL else MIN(TXT_1."TX_a8") end as "ZSQL17", MAX(TXT_1."TX_a8") as "ZSQL18", case when
COUNT(*) > COUNT(TXT_1."TX_a9") then NULL else MIN(TXT_1."TX_a9") end as "ZSQL19", MAX(TXT_1."TX_a9") as "ZSQL20", case when
COUNT(*) > COUNT(TXT_1."TX_a10") then NULL else MIN(TXT_1."TX_a10") end as "ZSQL21", MAX(TXT_1."TX_a10") as "ZSQL22", case when
COUNT(*) > COUNT(TXT_1."TX_a11") then NULL else MIN(TXT_1."TX_a11") end as "ZSQL23", MAX(TXT_1."TX_a11") as "ZSQL24", case when
COUNT(*) > COUNT(TXT_1."TX_a12") then NULL else MIN(TXT_1."TX_a12") end as "ZSQL25", MAX(TXT_1."TX_a12") as "ZSQL26" from
"demo_dev"."ads_prelim" TXT_1 group by TXT_1."TX_a1", TXT_1."Gender", TXT_1."TX_a2", TXT_1."TX_a3", TXT_1."TX_a4", TXT_1."TX_a5",
TXT_1."TX_a6", TXT_1."TX_a7", TXT_1."TX_a8", TXT_1."TX_a9", TXT_1."TX_a10", TXT_1."TX_a11", TXT_1."TX_a12"

```

```

TERADATA: trforc: COMMIT WORK

```

```

Summary Statistics for TERADATA are:
Total SQL prepare seconds were:          0.228060
Total seconds used by the TERADATA ACCESS engine were 0.576524

```



NOTE: SQL generation will be used to construct frequency and crosstabulation tables.

ACCESS ENGINE: SQL statement was passed to the DBMS for fetching data.

TERADATA\_193: Executed: on connection 6

```
select COUNT(*) as "ZSQL1", case when COUNT(*) > COUNT(TXT_1."TX_a1") then NULL else MIN(TXT_1."TX_a1") end as "ZSQL2",
MAX(TXT_1."TX_a1") as "ZSQL3", case when COUNT(*) > COUNT(TXT_1."Gender") then ' ' else MIN(TXT_1."Gender") end as "ZSQL4", case
when COUNT(*) > COUNT(TXT_1."TX_a2") then NULL else MIN(TXT_1."TX_a2") end as "ZSQL5", MAX(TXT_1."TX_a2") as "ZSQL6", case when
COUNT(*) > COUNT(TXT_1."TX_a3") then NULL else MIN(TXT_1."TX_a3") end as "ZSQL7", MAX(TXT_1."TX_a3") as "ZSQL8", case when
COUNT(*) > COUNT(TXT_1."TX_a4") then NULL else MIN(TXT_1."TX_a4") end as "ZSQL9", MAX(TXT_1."TX_a4") as "ZSQL10", case when
COUNT(*) > COUNT(TXT_1."TX_a5") then NULL else MIN(TXT_1."TX_a5") end as "ZSQL11", MAX(TXT_1."TX_a5") as "ZSQL12", case when
COUNT(*) > COUNT(TXT_1."TX_a6") then NULL else MIN(TXT_1."TX_a6") end as "ZSQL13", MAX(TXT_1."TX_a6") as "ZSQL14", case when
COUNT(*) > COUNT(TXT_1."TX_a7") then NULL else MIN(TXT_1."TX_a7") end as "ZSQL15", MAX(TXT_1."TX_a7") as "ZSQL16", case when
COUNT(*) > COUNT(TXT_1."TX_a8") then NULL else MIN(TXT_1."TX_a8") end as "ZSQL17", MAX(TXT_1."TX_a8") as "ZSQL18", case when
COUNT(*) > COUNT(TXT_1."TX_a9") then NULL else MIN(TXT_1."TX_a9") end as "ZSQL19", MAX(TXT_1."TX_a9") as "ZSQL20", case when
COUNT(*) > COUNT(TXT_1."TX_a10") then NULL else MIN(TXT_1."TX_a10") end as "ZSQL21", MAX(TXT_1."TX_a10") as "ZSQL22", case when
COUNT(*) > COUNT(TXT_1."TX_a11") then NULL else MIN(TXT_1."TX_a11") end as "ZSQL23", MAX(TXT_1."TX_a11") as "ZSQL24", case when
COUNT(*) > COUNT(TXT_1."TX_a12") then NULL else MIN(TXT_1."TX_a12") end as "ZSQL25", MAX(TXT_1."TX_a12") as "ZSQL26" from
"demo_dev"."ads_prelim" TXT_1 group by TXT_1."TX_a1", TXT_1."Gender", TXT_1."TX_a2", TXT_1."TX_a3", TXT_1."TX_a4", TXT_1."TX_a5",
TXT_1."TX_a6", TXT_1."TX_a7", TXT_1."TX_a8", TXT_1."TX_a9", TXT_1."TX_a10", TXT_1."TX_a11", TXT_1."TX_a12"
```

TERADATA: trget - rows to fetch: 1000000

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:

Total row fetch seconds were:	0.995873
Total SQL execution seconds were:	0.892901
Total SQL prepare seconds were:	0.207205
Total seconds used by the TERADATA ACCESS engine were	9.565608

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:

Total SQL prepare seconds were:	0.229050
Total seconds used by the TERADATA ACCESS engine were	10.813413

NOTE: PROCEDURE FREQ used (Total process time):

real time	10.97 seconds
cpu time	8.46 seconds

1297

TERADATA\_194: Prepared: on connection 4

SELECT \* FROM "demo\_dev"."ads\_prelim"

```
1298      proc means data=td_demo.ads_prelim;
1299      class state;
1300      var TZ_al-TZ_al2;
1301      run;
```

TERADATA: tryoeinf()

TERADATA: tryoeinf()

TERADATA: tryoeinf()

NOTE: SQL generation will be used to perform the initial summarization.

TERADATA\_195: Prepared: on connection 5

SELECT \* FROM "demo\_dev"."ads\_prelim"

TERADATA\_196: Prepared: on connection 6

```
select COUNT(*) as "ZSQL1", MIN(TXT_1."State") as "ZSQL2", COUNT(*) as "ZSQL3", COUNT(TXT_1."TZ_a1") as "ZSQL4",
MIN(TXT_1."TZ_a1") as "ZSQL5", MAX(TXT_1."TZ_a1") as "ZSQL6", SUM(CAST( TXT_1."TZ_a1" AS DOUBLE PRECISION)) as "ZSQL7",
COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a1" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a1")-1),0) as "ZSQL8", COUNT(TXT_1."TZ_a2") as
"ZSQL9", MIN(TXT_1."TZ_a2") as "ZSQL10", MAX(TXT_1."TZ_a2") as "ZSQL11", SUM(CAST( TXT_1."TZ_a2" AS DOUBLE PRECISION)) as "ZSQL12",
COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a2" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a2")-1),0) as "ZSQL13", COUNT(TXT_1."TZ_a3") as
"ZSQL14", MIN(TXT_1."TZ_a3") as "ZSQL15", MAX(TXT_1."TZ_a3") as "ZSQL16", SUM(CAST( TXT_1."TZ_a3" AS DOUBLE PRECISION)) as
"ZSQL17", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a3" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a3")-1),0) as "ZSQL18", COUNT(TXT_1."TZ_a4")
as "ZSQL19", MIN(TXT_1."TZ_a4") as "ZSQL20", MAX(TXT_1."TZ_a4") as "ZSQL21", SUM(CAST( TXT_1."TZ_a4" AS DOUBLE PRECISION)) as
"ZSQL22", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a4" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a4")-1),0) as "ZSQL23", COUNT(TXT_1."TZ_a5")
as "ZSQL24", MIN(TXT_1."TZ_a5") as "ZSQL25", MAX(TXT_1."TZ_a5") as "ZSQL26", SUM(CAST( TXT_1."TZ_a5" AS DOUBLE PRECISION)) as
"ZSQL27", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a5" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a5")-1),0) as "ZSQL28", COUNT(TXT_1."TZ_a6")
as "ZSQL29", MIN(TXT_1."TZ_a6") as "ZSQL30", MAX(TXT_1."TZ_a6") as "ZSQL31", SUM(CAST( TXT_1."TZ_a6" AS DOUBLE PRECISION)) as
"ZSQL32", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a6" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a6")-1),0) as "ZSQL33", COUNT(TXT_1."TZ_a7")
as "ZSQL34", MIN(TXT_1."TZ_a7") as "ZSQL35", MAX(TXT_1."TZ_a7") as "ZSQL36", SUM(CAST( TXT_1."TZ_a7" AS DOUBLE PRECISION)) as
"ZSQL37", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a7" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a7")-1),0) as "ZSQL38", COUNT(TXT_1."TZ_a8")
as "ZSQL39", MIN(TXT_1."TZ_a8") as "ZSQL40", MAX(TXT_1."TZ_a8") as "ZSQL41", SUM(CAST( TXT_1."TZ_a8" AS DOUBLE PRECISION)) as
"ZSQL42", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a8" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a8")-1),0) as "ZSQL43", COUNT(TXT_1."TZ_a9")
as "ZSQL44", MIN(TXT_1."TZ_a9") as "ZSQL45", MAX(TXT_1."TZ_a9") as "ZSQL46", SUM(CAST( TXT_1."TZ_a9" AS DOUBLE PRECISION)) as
"ZSQL47", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a9" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a9")-1),0) as "ZSQL48",
COUNT(TXT_1."TZ_a10") as "ZSQL49", MIN(TXT_1."TZ_a10") as "ZSQL50", MAX(TXT_1."TZ_a10") as "ZSQL51", SUM(CAST( TXT_1."TZ_a10" AS
DOUBLE PRECISION)) as "ZSQL52", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a10" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a10")-1),0) as
"ZSQL53", COUNT(TXT_1."TZ_a11") as "ZSQL54", MIN(TXT_1."TZ_a11") as "ZSQL55", MAX(TXT_1."TZ_a11") as "ZSQL56", SUM(CAST(
TXT_1."TZ_a11" AS DOUBLE PRECISION)) as "ZSQL57", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a11" AS DOUBLE
PRECISION))*(COUNT(TXT_1."TZ_a11")-1),0) as "ZSQL58", COUNT(TXT_1."TZ_a12") as "ZSQL59", MIN(TXT_1."TZ_a12") as "ZSQL60",
MAX(TXT_1."TZ_a12") as "ZSQL61", SUM(CAST( TXT_1."TZ_a12" AS DOUBLE PRECISION)) as "ZSQL62", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a12"
AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a12")-1),0) as "ZSQL63" from "demo_dev"."ads_prelim" TXT_1 group by TXT_1."State"
```

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:

Total SQL prepare seconds were:	0.000650
---------------------------------	----------

Total seconds used by the TERADATA ACCESS engine were 0.380402

ACCESS ENGINE: SQL statement was passed to the DBMS for fetching data.

TERADATA\_197: Executed: on connection 6

```
select COUNT(*) as "ZSQL1", MIN(TXT_1."State") as "ZSQL2", COUNT(*) as "ZSQL3", COUNT(TXT_1."TZ_a1") as "ZSQL4",
MIN(TXT_1."TZ_a1") as "ZSQL5", MAX(TXT_1."TZ_a1") as "ZSQL6", SUM(CAST( TXT_1."TZ_a1" AS DOUBLE PRECISION)) as "ZSQL7",
COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a1" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a1")-1),0) as "ZSQL8", COUNT(TXT_1."TZ_a2") as
"ZSQL9", MIN(TXT_1."TZ_a2") as "ZSQL10", MAX(TXT_1."TZ_a2") as "ZSQL11", SUM(CAST( TXT_1."TZ_a2" AS DOUBLE PRECISION)) as "ZSQL12",
COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a2" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a2")-1),0) as "ZSQL13", COUNT(TXT_1."TZ_a3") as
"ZSQL14", MIN(TXT_1."TZ_a3") as "ZSQL15", MAX(TXT_1."TZ_a3") as "ZSQL16", SUM(CAST( TXT_1."TZ_a3" AS DOUBLE PRECISION)) as
"ZSQL17", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a3" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a3")-1),0) as "ZSQL18", COUNT(TXT_1."TZ_a4")
as "ZSQL19", MIN(TXT_1."TZ_a4") as "ZSQL20", MAX(TXT_1."TZ_a4") as "ZSQL21", SUM(CAST( TXT_1."TZ_a4" AS DOUBLE PRECISION)) as
"ZSQL22", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a4" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a4")-1),0) as "ZSQL23", COUNT(TXT_1."TZ_a5")
as "ZSQL24", MIN(TXT_1."TZ_a5") as "ZSQL25", MAX(TXT_1."TZ_a5") as "ZSQL26", SUM(CAST( TXT_1."TZ_a5" AS DOUBLE PRECISION)) as
"ZSQL27", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a5" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a5")-1),0) as "ZSQL28", COUNT(TXT_1."TZ_a6")
as "ZSQL29", MIN(TXT_1."TZ_a6") as "ZSQL30", MAX(TXT_1."TZ_a6") as "ZSQL31", SUM(CAST( TXT_1."TZ_a6" AS DOUBLE PRECISION)) as
"ZSQL32", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a6" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a6")-1),0) as "ZSQL33", COUNT(TXT_1."TZ_a7")
as "ZSQL34", MIN(TXT_1."TZ_a7") as "ZSQL35", MAX(TXT_1."TZ_a7") as "ZSQL36", SUM(CAST( TXT_1."TZ_a7" AS DOUBLE PRECISION)) as
"ZSQL37", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a7" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a7")-1),0) as "ZSQL38", COUNT(TXT_1."TZ_a8")
as "ZSQL39", MIN(TXT_1."TZ_a8") as "ZSQL40", MAX(TXT_1."TZ_a8") as "ZSQL41", SUM(CAST( TXT_1."TZ_a8" AS DOUBLE PRECISION)) as
"ZSQL42", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a8" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a8")-1),0) as "ZSQL43", COUNT(TXT_1."TZ_a9")
as "ZSQL44", MIN(TXT_1."TZ_a9") as "ZSQL45", MAX(TXT_1."TZ_a9") as "ZSQL46", SUM(CAST( TXT_1."TZ_a9" AS DOUBLE PRECISION)) as
"ZSQL47", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a9" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a9")-1),0) as "ZSQL48",
COUNT(TXT_1."TZ_a10") as "ZSQL49", MIN(TXT_1."TZ_a10") as "ZSQL50", MAX(TXT_1."TZ_a10") as "ZSQL51", SUM(CAST( TXT_1."TZ_a10" AS
DOUBLE PRECISION)) as "ZSQL52", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a10" AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a10")-1),0) as
"ZSQL53", COUNT(TXT_1."TZ_a11") as "ZSQL54", MIN(TXT_1."TZ_a11") as "ZSQL55", MAX(TXT_1."TZ_a11") as "ZSQL56", SUM(CAST(
TXT_1."TZ_a11" AS DOUBLE PRECISION)) as "ZSQL57", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a11" AS DOUBLE
PRECISION))*(COUNT(TXT_1."TZ_a11")-1),0) as "ZSQL58", COUNT(TXT_1."TZ_a12") as "ZSQL59", MIN(TXT_1."TZ_a12") as "ZSQL60",
MAX(TXT_1."TZ_a12") as "ZSQL61", SUM(CAST( TXT_1."TZ_a12" AS DOUBLE PRECISION)) as "ZSQL62", COALESCE(VAR_SAMP(CAST( TXT_1."TZ_a12"
AS DOUBLE PRECISION))*(COUNT(TXT_1."TZ_a12")-1),0) as "ZSQL63" from "demo_dev"."ads_prelim" TXT_1 group by TXT_1."State"
```

TERADATA: trget - rows to fetch: 52

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:

Total row fetch seconds were:	0.000033
Total SQL execution seconds were:	0.864884
Total SQL prepare seconds were:	0.247218
Total seconds used by the TERADATA ACCESS engine were	3.059911

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:

Total SQL prepare seconds were:	0.204918
Total seconds used by the TERADATA ACCESS engine were	4.165903

NOTE: PROCEDURE MEANS used (Total process time):

real time	4.39 seconds
cpu time	1.94 seconds

```
1302
1303 /*
1304 lets see if there is any significant correlation
1305 between the amounts over the last 3 months
1306 */
```

TERADATA\_198: Prepared: on connection 4

SELECT \* FROM "demo\_dev"."ads\_prelim"

```
1307 proc corr data=td_demo.ads_prelim;
1308 var TX_a9-TX_a12 TT_a9-TT_a12 TF_a9-TF_a12
1309 TC_a9-TC_a12 TD_a9-TD_a12 TA_a9-TA_a12 TJ_a9-TJ_a12
1310 TZ_a9-TZ_a12;
1311
1312 run;
```

TERADATA: tryoeinf()

TERADATA: tryoeinf()

11

The SAS System

19:03 Sunday, September 15,

2019

TERADATA\_199: Executed: on connection 5

create volatile table \_SAS\_TEMP\_ as ( select top 1 \* from "demo\_dev"."ads\_prelim") with no data

Summary Statistics for TERADATA are:

Total SQL execution seconds were:	0.187268
Total seconds used by the TERADATA ACCESS engine were	0.187486

TERADATA\_200: Executed: on connection 5

commit work;

Summary Statistics for TERADATA are:

Total SQL execution seconds were:	0.072410
Total seconds used by the TERADATA ACCESS engine were	0.072449

TERADATA\_201: Prepared: on connection 5  
help table \_SAS\_TEMP\_

TERADATA\_202: Executed: on connection 5  
help table \_SAS\_TEMP\_

TERADATA: trget - rows to fetch: 229

Summary Statistics for TERADATA are:  
Total row fetch seconds were: 0.243485  
Total SQL execution seconds were: 0.807413  
Total SQL prepare seconds were: 0.027884  
Total seconds used by the TERADATA ACCESS engine were 0.839330

TERADATA\_203: Executed: on connection 5  
commit work;

Summary Statistics for TERADATA are:  
Total SQL execution seconds were: 0.003479  
Total seconds used by the TERADATA ACCESS engine were 0.003526

NOTE: SQL will be used for in-database computation for the data set DATA=TD\_DEMO.ads\_prelim.DATA.  
TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
Total SQL prepare seconds were: 0.202778  
Total seconds used by the TERADATA ACCESS engine were 5.734769

NOTE: PROCEDURE CORR used (Total process time):  
real time 5.82 seconds  
cpu time 1.90 seconds

1313  
1314 /\* when using EP, indconn MUST have database defined, even if we overwrite it later\*/  
1315  
1316 %let indconn= server=barbera user=pauls password=pauls database=demo\_dev;  
1317  
1318 /\* publish SA code \*/  
1319 %indtdpm;  
NOTE: libref indbtdm already exists.  
NOTE: Using accelmvatera secure macro catalog under existing libref indbtdm.  
1320  
1321 %indtd\_create\_modeltable(  
1322 database=demo\_dev,  
1323 modeltable=clustering\_models,  
1324 action=replace);

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: Libref TDLIB was successfully assigned as follows:  
Engine: TERADATA  
Physical Name: barbera

TERADATA\_204: Prepared: on connection 3  
SELECT \* FROM "demo\_dev"."clustering\_models"

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
Total SQL prepare seconds were: 0.013848  
Total seconds used by the TERADATA ACCESS engine were 0.014453

TERADATA\_205: Executed: on connection 4  
drop table clustering\_models

Summary Statistics for TERADATA are:  
Total SQL execution seconds were: 0.149055  
Total seconds used by the TERADATA ACCESS engine were 0.149160

TERADATA\_206: Executed: on connection 4  
commit

Summary Statistics for TERADATA are:  
Total SQL execution seconds were: 0.195931  
Total seconds used by the TERADATA ACCESS engine were 0.195974

NOTE: PROCEDURE SQL used (Total process time):  
real time 0.53 seconds  
cpu time 0.02 seconds

Table clustering\_models is dropped.

TERADATA\_207: Prepared: on connection 3  
SELECT \* FROM "demo\_dev"."clustering\_models"

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
Total SQL prepare seconds were: 0.001414  
Total seconds used by the TERADATA ACCESS engine were 0.002042

TERADATA\_208: Executed: on connection 4  
create set table clustering\_models ( ModelName VARCHAR(128) CHARACTER SET UNICODE NOT CASESPECIFIC, ModelDS2 BLOB(2097088000), ModelFormats BLOB(2097088000), ModelUUID VARCHAR(36) CHARACTER SET UNICODE NOT CASESPECIFIC, Notes VARCHAR(512) CHARACTER SET UNICODE NOT CASESPECIFIC ) unique primary index (ModelName)

Summary Statistics for TERADATA are:  
Total SQL execution seconds were: 0.058997  
Total seconds used by the TERADATA ACCESS engine were 0.059108

TERADATA\_209: Executed: on connection 4  
commit

Summary Statistics for TERADATA are:  
Total SQL execution seconds were: 0.063061  
Total seconds used by the TERADATA ACCESS engine were 0.063096

NOTE: PROCEDURE SQL used (Total process time):  
real time 0.21 seconds  
cpu time 0.01 seconds

Table clustering\_models is replaced.  
1325  
1326  
1327 %indtd\_publish\_model (  
1328 dir=/data/demo2/sasdemo,  
1329 modelname=MasterCustomers,  
1330 modeltable=clustering\_models,  
1331 action=replace,  
1332 mechanism=EP);

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

TERADATA\_210: Prepared: on connection 4  
select \* from dbc.dbcinfo where upper(infokey) = 'VERSION'

TERADATA\_211: Executed: on connection 4  
select \* from dbc.dbcinfo where upper(infokey) = 'VERSION'

TERADATA: trget - rows to fetch: 1

Summary Statistics for TERADATA are:  
Total row fetch seconds were: 0.000002  
Total SQL execution seconds were: 0.006499  
Total SQL prepare seconds were: 0.007680  
Total seconds used by the TERADATA ACCESS engine were 0.014767

TERADATA\_212: Prepared: on connection 4  
select \* from dbc.dbcinfo where upper(infokey) = 'RELEASE'

TERADATA\_213: Executed: on connection 4  
select \* from dbc.dbcinfo where upper(infokey) = 'RELEASE'

TERADATA: trget - rows to fetch: 1

Summary Statistics for TERADATA are:  
Total row fetch seconds were: 0.000003

Total SQL execution seconds were: 0.004517  
 Total SQL prepare seconds were: 0.007296  
 Total seconds used by the TERADATA ACCESS engine were 0.012202

TERADATA\_214: Prepared: on connection 4  
 select top 1 platform from dbc.functions where execprotectionmode in ('P','U')

TERADATA\_215: Executed: on connection 4  
 select top 1 platform from dbc.functions where execprotectionmode in ('P','U')

TERADATA: trget - rows to fetch: 1

Summary Statistics for TERADATA are:  
 Total row fetch seconds were: 0.000002  
 Total SQL execution seconds were: 0.021140  
 Total SQL prepare seconds were: 0.030761  
 Total seconds used by the TERADATA ACCESS engine were 0.052239

NOTE: PROCEDURE SQL used (Total process time):  
 real time 0.24 seconds  
 cpu time 0.02 seconds

NOTE: DATA statement used (Total process time):  
 real time 0.00 seconds  
 cpu time 0.00 seconds

NOTE: DATA statement used (Total process time):  
 real time 0.00 seconds  
 cpu time 0.00 seconds

NOTE: DATA statement used (Total process time):  
 real time 0.00 seconds  
 cpu time 0.00 seconds

NOTE: DATA statement used (Total process time):  
 real time 0.00 seconds  
 cpu time 0.00 seconds

NOTE: DATA statement used (Total process time):  
 real time 0.00 seconds  
 cpu time 0.00 seconds

NOTE: DATA statement used (Total process time):  
 real time 0.00 seconds  
 cpu time 0.00 seconds

NOTE: DATA statement used (Total process time):  
 real time 0.00 seconds  
 cpu time 0.00 seconds

NOTE: Fileref \_\_RMFILE has been deassigned.  
 NOTE: DATA statement used (Total process time):  
 real time 0.00 seconds  
 cpu time 0.00 seconds

NOTE: Fileref \_\_RMFILE has been deassigned.  
 NOTE: PROCEDURE PRINTTO used (Total process time):  
 real time 0.00 seconds  
 cpu time 0.00 seconds

NOTE: Fileref BITBUCKT has been deassigned.

NOTE: PROCEDURE TSPLTRANS used (Total process time):  
 real time 0.04 seconds  
 cpu time 0.04 seconds

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt" is:  
 Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt,  
 Owner Name=sasdemo, Group Name=sas,  
 Access Permission=-rw-r--r--,  
 Last Modified=15Sep2019:19:03:29

NOTE: 1 record was written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt".  
The minimum record length was 22.  
The maximum record length was 22.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.01 seconds

NOTE: The infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/Formats.txt" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/Formats.txt,  
Owner Name=sasdemo, Group Name=sas,  
Access Permission=-rwxr-xr-x,  
Last Modified=15Sep2019:19:03:29,  
File Size (bytes)=0

NOTE: 0 records were read from the infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/Formats.txt".

NOTE: The data set WORK.FORMATS\_NEEDED has 0 observations and 3 variables.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: Deleting entry SAFMTS.FORMATC in catalog WORK.FORMATS.

NOTE: PROCEDURE CATALOG used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: Input data set is empty.

NOTE: 0 observations with duplicate key values were deleted.

NOTE: The data set WORK.FORMATS\_NEEDED has 0 observations and 3 variables.

NOTE: PROCEDURE SORT used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: Format ABC is already on the library WORK.FORMATS.

NOTE: Format ABC has been output.

NOTE: PROCEDURE FORMAT used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: PROCEDURE FORMAT used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The data set WORK.CNTLOUT has 1 observations and 21 variables.

NOTE: The file SELSTMT is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00726,  
Owner Name=sasdemo, Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:29

NOTE: 1 record was written to the file SELSTMT.  
The minimum record length was 1.  
The maximum record length was 1.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: There were 0 observations read from the data set WORK.FORMATS\_NEEDED.

NOTE: The data set WORK.DONTHAVE has 0 observations and 1 variables.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: The file SELSTMT is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00726,  
Owner Name=sasdemo, Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:29,  
File Size (bytes)=2

NOTE: 1 record was written to the file SELSTMT.  
The minimum record length was 1.  
The maximum record length was 1.

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

NOTE: %INCLUDE (level 1) file SELSTMT is file /tmp/SAS\_work332B0000608C\_dogwood/#LN00726.

1374       \*\*  
1375       +;

NOTE: %INCLUDE (level 1) ending.

NOTE: Fileref SELSTMT has been deassigned.

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt,  
Owner Name=sasdemo, Group Name=sas,  
Access Permission=-rw-r--r--,  
Last Modified=15Sep2019:19:03:29,  
File Size (bytes)=23

NOTE: 1 record was written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt".  
The minimum record length was 48.  
The maximum record length was 48.

NOTE: There were 0 observations read from the data set WORK.DONTHAVE.

NOTE: DATA statement used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: Deleting WORK.DONTHAVE (memtype=DATA).

NOTE: PROCEDURE DELETE used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: The infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/Generic.txt" is:  
Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/Generic.txt,  
Owner Name=sasdemo, Group Name=sas,  
Access Permission=-rwxr-xr-x,  
Last Modified=15Sep2019:19:03:29,  
File Size (bytes)=2712

NOTE: 220 records were read from the infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/Generic.txt".  
The minimum record length was 11.  
The maximum record length was 18.

NOTE: The data set WORK.COLNAMES has 216 observations and 2 variables.

NOTE: The data set WORK.FUNCTIONS has 1 observations and 3 variables.

NOTE: DATA statement used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: There were 216 observations read from the data set WORK.COLNAMES.

NOTE: The data set WORK.ARGLIST has 1 observations and 1 variables.

NOTE: DATA statement used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: There were 216 observations read from the data set WORK.COLNAMES.

NOTE: The data set WORK.ARGTYPELIST has 1 observations and 1 variables.

NOTE: DATA statement used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: Libref RDLLIB was successfully assigned as follows:

Engine: V9  
Physical Name: /data/demo2/sasdemo

NOTE: The data set WORK.CONTENTES has 233 observations and 2 variables.

NOTE: PROCEDURE CONTENTES used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: There were 233 observations read from the data set WORK.CONTENTES.

NOTE: The data set WORK.CONTENTES has 233 observations and 2 variables.

NOTE: DATA statement used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: There were 233 observations read from the data set WORK.CONTENTES.

NOTE: The data set WORK.CONTENTES has 233 observations and 2 variables.

NOTE: PROCEDURE SORT used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

NOTE: There were 216 observations read from the data set WORK.COLNAMES.

NOTE: 0 observations with duplicate key values were deleted.  
NOTE: The data set WORK.COLNAMES has 216 observations and 2 variables.  
NOTE: PROCEDURE SORT used (Total process time):  
    real time            0.00 seconds  
    cpu time             0.00 seconds

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt" is:  
    Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt,  
    Owner Name=sasdemo,Group Name=sas,  
    Access Permission=-rw-r--r--,  
    Last Modified=15Sep2019:19:03:29,  
    File Size (bytes)=72

NOTE: 1 record was written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt".  
    The minimum record length was 61.  
    The maximum record length was 61.

NOTE: There were 216 observations read from the data set WORK.COLNAMES.  
NOTE: There were 233 observations read from the data set WORK.CONTENTES.  
NOTE: DATA statement used (Total process time):  
    real time            0.00 seconds  
    cpu time             0.01 seconds

NOTE: Deleting WORK.CONTENTES (memtype=DATA).  
NOTE: PROCEDURE DELETE used (Total process time):  
    real time            0.00 seconds  
    cpu time             0.00 seconds

NOTE: Libref RDLLIB has been deassigned.

NOTE: The file SQLTXT is:  
    Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00732,  
    Owner Name=sasdemo,Group Name=sas,  
    Access Permission=-rw-r--r--,  
    Last Modified=15Sep2019:19:03:29

NOTE: 221 records were written to the file SQLTXT.  
    The minimum record length was 2.  
    The maximum record length was 36.

NOTE: There were 1 observations read from the data set WORK.FUNCTIONS.  
NOTE: There were 1 observations read from the data set WORK.ARGTYPELIST.  
NOTE: DATA statement used (Total process time):  
    real time            0.00 seconds  
    cpu time             0.00 seconds

NOTE: The file SQLTXT is:  
    Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00732,  
    Owner Name=sasdemo,Group Name=sas,  
    Access Permission=-rw-r--r--,  
    Last Modified=15Sep2019:19:03:29,  
    File Size (bytes)=3617

NOTE: 222 records were written to the file SQLTXT.  
    The minimum record length was 8.  
    The maximum record length was 68.

NOTE: There were 1 observations read from the data set WORK.FUNCTIONS.  
NOTE: There were 1 observations read from the data set WORK.ARGLIST.  
NOTE: DATA statement used (Total process time):  
    real time            0.00 seconds  
    cpu time             0.01 seconds

NOTE: The infile SQLTXT is:  
    Filename=/tmp/SAS\_work332B0000608C\_dogwood/#LN00732,  
    Owner Name=sasdemo,Group Name=sas,  
    Access Permission=-rw-r--r--,  
    Last Modified=15Sep2019:19:03:29,  
    File Size (bytes)=5858

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/SampleSQL.txt" is:  
    Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/SampleSQL.txt,  
    Owner Name=sasdemo,Group Name=sas,  
    Access Permission=-rw-r--r--,  
    Last Modified=15Sep2019:19:03:29

NOTE: 443 records were read from the infile SQLTXT.  
    The minimum record length was 2.  
    The maximum record length was 68.

NOTE: 443 records were written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/SampleSQL.txt".  
    The minimum record length was 2.  
    The maximum record length was 68.

NOTE: DATA statement used (Total process time):  
    real time            0.00 seconds  
    cpu time             0.00 seconds



NOTE: The infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt" is:  
 Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt,  
 Owner Name=sasdemo,Group Name=sas,  
 Access Permission=-rw-r--r--,  
 Last Modified=15Sep2019:19:03:29,  
 File Size (bytes)=134

#### Validation information

NOTE: All referenced formats have been provided.

NOTE: All columns are provided and with the proper attributes

NOTE: 3 records were read from the infile "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt".  
 The minimum record length was 22.  
 The maximum record length was 61.

NOTE: DATA statement used (Total process time):  
 real time 0.00 seconds  
 cpu time 0.00 seconds

NOTE: Variable put is uninitialized.

NOTE: The file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt" is:  
 Filename=/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt,  
 Owner Name=sasdemo,Group Name=sas,  
 Access Permission=-rw-r--r--,  
 Last Modified=15Sep2019:19:03:29,  
 File Size (bytes)=134

NOTE: 1 record was written to the file "/tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/validation.txt".  
 The minimum record length was 105.  
 The maximum record length was 105.

NOTE: DATA statement used (Total process time):  
 real time 0.00 seconds  
 cpu time 0.00 seconds

NOTE: Overwriting existing template/link: Tagsets.XMLexp

NOTE: TAGSET 'Tagsets.XMLexp' has been saved to: WORK.TEMPLATE

NOTE: PROCEDURE TEMPLATE used (Total process time):  
 real time 0.00 seconds  
 cpu time 0.00 seconds

NOTE: Overwriting existing template/link: Tagsets.XMLsuv

NOTE: TAGSET 'Tagsets.XMLsuv' has been saved to: WORK.TEMPLATE

NOTE: PROCEDURE TEMPLATE used (Total process time):  
 real time 0.00 seconds  
 cpu time 0.00 seconds

NOTE: Libref MODELfmt was successfully assigned as follows:

Engine: XML92  
 Physical Name: /tmp/SAS\_work332B0000608C\_dogwood/SAS\_workA9860000608C\_dogwood/tempdir/MasterCustomers\_ufmt.xml

NOTE: There were 1 observations read from the data set WORK.CNTLOUT.

NOTE: The data set MODELfmt.sasscore\_model\_ufmt has 1 observations and 21 variables.

NOTE: DATA statement used (Total process time):  
 real time 0.01 seconds  
 cpu time 0.01 seconds

NOTE: Libref TDLIB was successfully assigned as follows:

Engine: TERADATA  
 Physical Name: barbera

TERADATA\_216: Prepared: on connection 3  
 SELECT \* FROM "demo\_dev"."clustering\_models"

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.003937  
 Total seconds used by the TERADATA ACCESS engine were 0.004577

TERADATA\_217: Prepared: on connection 4  
 select modelname from clustering\_models where upper(modelname) = 'MASTERCUSTOMERS'

TERADATA\_218: Executed: on connection 4  
 select modelname from clustering\_models where upper(modelname) = 'MASTERCUSTOMERS'

TERADATA: trget - rows to fetch: 0  
 NOTE: Table WORK.MODEL\_INSTALL\_DS2 created, with 0 rows and 1 columns.

Summary Statistics for TERADATA are:  
 Total SQL execution seconds were: 0.009734  
 Total SQL prepare seconds were: 0.004406  
 Total seconds used by the TERADATA ACCESS engine were 0.015667

NOTE: PROCEDURE SQL used (Total process time):  
 real time 0.25 seconds  
 cpu time 0.02 seconds

NOTE: PROCEDURE SQL used (Total process time):  
 real time 0.00 seconds  
 cpu time 0.00 seconds

TERADATA\_219: Prepared: on connection 3  
 SELECT \* FROM "demo\_dev"."clustering\_models"

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.000571  
 Total seconds used by the TERADATA ACCESS engine were 0.001200

TERADATA\_220: Executed: on connection 4  
 delete from clustering\_models where upper(modelname) = 'MASTERCUSTOMERS'

TERADATA: 0 row(s) inserted/updated/deleted.

Summary Statistics for TERADATA are:  
 Total SQL execution seconds were: 0.008154  
 Total seconds used by the TERADATA ACCESS engine were 0.008268

TERADATA\_221: Executed: on connection 4  
 commit

Summary Statistics for TERADATA are:  
 Total SQL execution seconds were: 0.107332  
 Total seconds used by the TERADATA ACCESS engine were 0.107368

NOTE: PROCEDURE SQL used (Total process time):  
 real time 0.23 seconds  
 cpu time 0.02 seconds

TERADATA\_222: Prepared: on connection 4  
 SELECT \* FROM "demo\_dev"."clustering\_models"

TERADATA: trforc: COMMIT WORK

Summary Statistics for TERADATA are:  
 Total SQL prepare seconds were: 0.002883  
 Total seconds used by the TERADATA ACCESS engine were 0.004430

NOTE: The following 2 column(s) in TDLIB.clustering\_models have been automatically dropped because they have a datatype that is not supported by this engine:

ModelDS2 ModelFormats

NOTE: The data set WORK.MODELPUB\_TMP\_COLUMNS has 3 observations and 41 variables.

NOTE: PROCEDURE CONTENTS used (Total process time):  
 real time 0.11 seconds  
 cpu time 0.02 seconds

NOTE: PROCEDURE SQL used (Total process time):  
 real time 0.00 seconds  
 cpu time 0.00 seconds

Summary Statistics for TERADATA are:  
 Total seconds used by the TERADATA ACCESS engine were 0.181235

NOTE: PROCEDURE SQL used (Total process time):  
 real time 0.36 seconds  
 cpu time 0.03 seconds

Successfully installed model MasterCustomers.

```

1376
1377     proc sql noerrorstop;
1378     connect to teradata (&indconn mode=teradata);
1379     execute (
1380     call sas_sysfnlib.sas_score_ep
1381     ( 'MODELTABLE=demo_dev.clustering_models',
1382     'MODELNAME=MasterCustomers',
1383     'INQUERY=demo_dev.ads_prelim',
1384     'OUTTABLE=demo_dev.master_customer_clustered',
1385     'OUTKEY=custid',
1386     'OPTIONS=VOLATILE=NO;UNIQUE=YES;DIRECT=YES;'
1387     )
1388     ) by teradata;
```

```

TERADATA 223: Executed: on connection 4
call sas_sysfnlib.sas_score_ep ( 'MODELTABLE=demo_dev.clustering_models', 'MODELNAME=MasterCustomers',
'INQUERY=demo_dev.ads_prelim', 'OUTTABLE=demo_dev.master_customer_clustered', 'OUTKEY=custid',
'OPTIONS=VOLATILE=NO;UNIQUE=YES;DIRECT=YES;' )

```

```

Summary Statistics for TERADATA are:
Total SQL execution seconds were:          5.812642
Total seconds used by the TERADATA ACCESS engine were  5.812723

```

```

1389          disconnect from teradata;
1390          quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      5.97 seconds
      cpu time       0.02 seconds

```

```

1391
1392          proc sql;
1393          select *
1394          from td_demo.master_customer_clustered
1395          where custid between 12368 and 12378;

```

```

TERADATA 224: Prepared: on connection 4
SELECT * FROM "demo_dev"."master_customer_clustered"

```

TERADATA: trqacol- No casting. Raw row size=2921, Casted size=2929, CAST\_OVERHEAD\_MAXPERCENT=20%

```

TERADATA 225: Prepared: on connection 4
SELECT
" WARN_", "TA_a1", "TA_a10", "TA_a11", "TA_a12", "TA_a2", "TA_a3", "TA_a4", "TA_a5", "TA_a6", "TA_a7", "TA_a8", "TA_a9", "TA_c1", "TA_c10", "TA_c11",
"TA_c12", "TA_c2", "TA_c3", "TA_c4", "TA_c5", "TA_c6", "TA_c7", "TA_c8", "TA_c9", "TB_a1", "TB_a10", "TB_a11", "TB_a12", "TB_a2", "TB_a3", "TB_a4",
"TB_a5", "TB_a6", "TB_a7", "TB_a8", "TB_a9", "TB_c1", "TB_c10", "TB_c11", "TB_c12", "TB_c2", "TB_c3", "TB_c4", "TB_c5", "TB_c6", "TB_c7", "TB_c8",
"TB_c9", "TC_a1", "TC_a10", "TC_a11", "TC_a12", "TC_a2", "TC_a3", "TC_a4", "TC_a5", "TC_a6", "TC_a7", "TC_a8", "TC_a9", "TC_c1", "TC_c10", "TC_c11",
"TC_c12", "TC_c2", "TC_c3", "TC_c4", "TC_c5", "TC_c6", "TC_c7", "TC_c8", "TC_c9", "TD_a1", "TD_a10", "TD_a11", "TD_a12", "TD_a2", "TD_a3", "TD_a4",
"TD_a5", "TD_a6", "TD_a7", "TD_a8", "TD_a9", "TD_c1", "TD_c10", "TD_c11", "TD_c12", "TD_c2", "TD_c3", "TD_c4", "TD_c5", "TD_c6", "TD_c7", "TD_c8",
"TD_c9", "TF_a1", "TF_a10", "TF_a11", "TF_a12", "TF_a2", "TF_a3", "TF_a4", "TF_a5", "TF_a6", "TF_a7", "TF_a8", "TF_a9", "TF_c1", "TF_c10", "TF_c11",
"TF_c12", "TF_c2", "TF_c3", "TF_c4", "TF_c5", "TF_c6", "TF_c7", "TF_c8", "TF_c9", "TJ_a1", "TJ_a10", "TJ_a11", "TJ_a12", "TJ_a2", "TJ_a3", "TJ_a4",
"TJ_a5", "TJ_a6", "TJ_a7", "TJ_a8", "TJ_a9", "TJ_c1", "TJ_c10", "TJ_c11", "TJ_c12", "TJ_c2", "TJ_c3", "TJ_c4", "TJ_c5", "TJ_c6", "TJ_c7", "TJ_c8",
"TJ_c9", "TT_a1", "TT_a10", "TT_a11", "TT_a12", "TT_a2", "TT_a3", "TT_a4", "TT_a5", "TT_a6", "TT_a7", "TT_a8", "TT_a9", "TT_c1", "TT_c10", "TT_c11",
"TT_c12", "TT_c2", "TT_c3", "TT_c4", "TT_c5", "TT_c6", "TT_c7", "TT_c8", "TT_c9", "TX_a1", "TX_a10", "TX_a11", "TX_a12", "TX_a2", "TX_a3", "TX_a4",
"TX_a5", "TX_a6", "TX_a7", "TX_a8", "TX_a9", "TX_c1", "TX_c10", "TX_c11", "TX_c12", "TX_c2", "TX_c3", "TX_c4", "TX_c5", "TX_c6", "TX_c7", "TX_c8",
"TX_c9", "TZ_a1", "TZ_a10", "TZ_a11", "TZ_a12", "TZ_a2", "TZ_a3", "TZ_a4", "TZ_a5", "TZ_a6", "TZ_a7", "TZ_a8", "TZ_a9", "TZ_c1", "TZ_c10", "TZ_c11",
"TZ_c12", "TZ_c2", "TZ_c3", "TZ_c4", "TZ_c5", "TZ_c6", "TZ_c7", "TZ_c8", "TZ_c9", "custid", "Title", "fullname", "Gender", "StreetAddress", "City",
"State", "ZipCode", "Country", "EmailAddress", "TelephoneNumber", "BirthDay", "CCTYPE", "CLUSTER_ID", "DISTANCE", "EM_SEGMENT" FROM
"demo_dev"."master_customer_clustered" WHERE ( ( ("custid" BETWEEN 12368 AND 12378 ) OR ("custid" BETWEEN 12378 AND 12368
) ) ) )

```

```

TERADATA 226: Executed: on connection 4
SELECT
" WARN_", "TA_a1", "TA_a10", "TA_a11", "TA_a12", "TA_a2", "TA_a3", "TA_a4", "TA_a5", "TA_a6", "TA_a7", "TA_a8", "TA_a9", "TA_c1", "TA_c10", "TA_c11",
"TA_c12", "TA_c2", "TA_c3", "TA_c4", "TA_c5", "TA_c6", "TA_c7", "TA_c8", "TA_c9", "TB_a1", "TB_a10", "TB_a11", "TB_a12", "TB_a2", "TB_a3", "TB_a4",
"TB_a5", "TB_a6", "TB_a7", "TB_a8", "TB_a9", "TB_c1", "TB_c10", "TB_c11", "TB_c12", "TB_c2", "TB_c3", "TB_c4", "TB_c5", "TB_c6", "TB_c7", "TB_c8",
"TB_c9", "TC_a1", "TC_a10", "TC_a11", "TC_a12", "TC_a2", "TC_a3", "TC_a4", "TC_a5", "TC_a6", "TC_a7", "TC_a8", "TC_a9", "TC_c1", "TC_c10", "TC_c11",
"TC_c12", "TC_c2", "TC_c3", "TC_c4", "TC_c5", "TC_c6", "TC_c7", "TC_c8", "TC_c9", "TD_a1", "TD_a10", "TD_a11", "TD_a12", "TD_a2", "TD_a3", "TD_a4",
"TD_a5", "TD_a6", "TD_a7", "TD_a8", "TD_a9", "TD_c1", "TD_c10", "TD_c11", "TD_c12", "TD_c2", "TD_c3", "TD_c4", "TD_c5", "TD_c6", "TD_c7", "TD_c8",
"TD_c9", "TF_a1", "TF_a10", "TF_a11", "TF_a12", "TF_a2", "TF_a3", "TF_a4", "TF_a5", "TF_a6", "TF_a7", "TF_a8", "TF_a9", "TF_c1", "TF_c10", "TF_c11",
"TF_c12", "TF_c2", "TF_c3", "TF_c4", "TF_c5", "TF_c6", "TF_c7", "TF_c8", "TF_c9", "TJ_a1", "TJ_a10", "TJ_a11", "TJ_a12", "TJ_a2", "TJ_a3", "TJ_a4",
"TJ_a5", "TJ_a6", "TJ_a7", "TJ_a8", "TJ_a9", "TJ_c1", "TJ_c10", "TJ_c11", "TJ_c12", "TJ_c2", "TJ_c3", "TJ_c4", "TJ_c5", "TJ_c6", "TJ_c7", "TJ_c8",
"TJ_c9", "TT_a1", "TT_a10", "TT_a11", "TT_a12", "TT_a2", "TT_a3", "TT_a4", "TT_a5", "TT_a6", "TT_a7", "TT_a8", "TT_a9", "TT_c1", "TT_c10", "TT_c11",
"TT_c12", "TT_c2", "TT_c3", "TT_c4", "TT_c5", "TT_c6", "TT_c7", "TT_c8", "TT_c9", "TX_a1", "TX_a10", "TX_a11", "TX_a12", "TX_a2", "TX_a3", "TX_a4",
"TX_a5", "TX_a6", "TX_a7", "TX_a8", "TX_a9", "TX_c1", "TX_c10", "TX_c11", "TX_c12", "TX_c2", "TX_c3", "TX_c4", "TX_c5", "TX_c6", "TX_c7", "TX_c8",
"TX_c9", "TZ_a1", "TZ_a10", "TZ_a11", "TZ_a12", "TZ_a2", "TZ_a3", "TZ_a4", "TZ_a5", "TZ_a6", "TZ_a7", "TZ_a8", "TZ_a9", "TZ_c1", "TZ_c10", "TZ_c11",
"TZ_c12", "TZ_c2", "TZ_c3", "TZ_c4", "TZ_c5", "TZ_c6", "TZ_c7", "TZ_c8", "TZ_c9", "custid", "Title", "fullname", "Gender", "StreetAddress", "City",
"State", "ZipCode", "Country", "EmailAddress", "TelephoneNumber", "BirthDay", "CCTYPE", "CLUSTER_ID", "DISTANCE", "EM_SEGMENT" FROM
"demo_dev"."master_customer_clustered" WHERE ( ( ("custid" BETWEEN 12368 AND 12378 ) OR ("custid" BETWEEN 12378 AND 12368
) ) ) )

```

```

TERADATA: trget - rows to fetch: 11
TERADATA: trforc: COMMIT WORK

```

```

Summary Statistics for TERADATA are:
Total row fetch seconds were:          2.774216
Total SQL execution seconds were:      0.204127
Total SQL prepare seconds were:       0.177586
Total seconds used by the TERADATA ACCESS engine were  3.865198

```

```

1396          run;
NOTE: PROC SQL statements are executed immediately; The RUN statement has no effect.
1397
NOTE: PROCEDURE SQL used (Total process time):
      real time      4.04 seconds
      cpu time       3.49 seconds

```

```

TERADATA 227: Prepared: on connection 4
SELECT * FROM "demo_dev"."master_customer_clustered"

```

```

1398          proc freq data=td_demo.master_customer_clustered;

```

```
1399      tables _CLUSTER_ID_;
1400      run;
```

```
TERADATA: tryoeinf()
TERADATA: tryoeinf()
TERADATA: tryoeinf()
```

```
TERADATA_228: Prepared: on connection 5
SELECT * FROM "demo_dev"."master_customer_clustered"
```

```
TERADATA_229: Prepared: on connection 6
select COUNT(*) as "ZSQL1", case when COUNT(*) > COUNT(TXT_1."_CLUSTER_ID_") then NULL else MIN(TXT_1."_CLUSTER_ID_") end as
"ZSQL2", MAX(TXT_1."_CLUSTER_ID_") as "ZSQL3" from "demo_dev"."master_customer_clustered" TXT_1 group by TXT_1."_CLUSTER_ID_"
```

```
TERADATA: trforc: COMMIT WORK
```

```
Summary Statistics for TERADATA are:
Total SQL prepare seconds were:          0.000644
Total seconds used by the TERADATA ACCESS engine were 0.156429
```

NOTE: SQL generation will be used to construct frequency and crosstabulation tables.  
ACCESS ENGINE: SQL statement was passed to the DBMS for fetching data.

```
TERADATA_230: Executed: on connection 6
select COUNT(*) as "ZSQL1", case when COUNT(*) > COUNT(TXT_1."_CLUSTER_ID_") then NULL else MIN(TXT_1."_CLUSTER_ID_") end as
"ZSQL2", MAX(TXT_1."_CLUSTER_ID_") as "ZSQL3" from "demo_dev"."master_customer_clustered" TXT_1 group by TXT_1."_CLUSTER_ID_"
```

```
TERADATA: trget - rows to fetch: 6
TERADATA: trforc: COMMIT WORK
```

```
Summary Statistics for TERADATA are:
Total row fetch seconds were:            0.000006
Total SQL execution seconds were:        0.196067
Total SQL prepare seconds were:         0.052466
Total seconds used by the TERADATA ACCESS engine were 0.367882
```

```
TERADATA: trforc: COMMIT WORK
```

```
Summary Statistics for TERADATA are:
Total SQL prepare seconds were:          0.000654
Total seconds used by the TERADATA ACCESS engine were 0.908030
```

NOTE: PROCEDURE FREQ used (Total process time):  
real time 1.16 seconds  
cpu time 0.13 seconds

```
1401
1402
1403
1404      OPTIONS NOSYNTAXCHECK;
1405      ODS HTML CLOSE;
1406      &GRAPHTERM; ;*';*";*//;RUN;QUIT;
1407      QUIT;RUN;
1408      ODS HTML5 (ID=WEB) CLOSE;
1409
1410      ODS RTF (ID=WEB) CLOSE;
1411      ODS PDF (ID=WEB) CLOSE;
NOTE: ODS PDF(WEB) printed 136 pages to /tmp/SAS_work332B0000608C_dogwood/#LN00585.
1412      FILENAME _GSFNAME;
NOTE: Fileref _GSFNAME has been deassigned.
1413      DATA _NULL_;
1414      RUN;
```

NOTE: DATA statement used (Total process time):  
real time 0.00 seconds  
cpu time 0.00 seconds

```
1415      OPTIONS NOTES STIMER SOURCE SYNTAXCHECK;
1416
```