

Esmail Ramji Con't

SAS History: Esmail started using SAS on the mainframe at AGT (Now TELUS) in 1980 and on PC at TELUS and Alberta Workers Compensation Board in 2001. He has used SAS in various areas:

- Studying the performance and utilization of various computer devices on a daily, monthly and annual basis in support of data centre operations and planning.
- Extracting, validating and loading information in the information management data warehouse to provide sound information for management decision making to meet customer needs and create value for the organization.
- Extracting and analyzing data from various marketing data warehouses to provide reports about usage and revenue to product managers and forecasting teams.
- Defining, designing, developing and implementing a consumer segmentation database.
- Converting programs written in FOCUS to SAS

Pets: None

Partner/Family: Wife and two children, both going to University

Sports/Hobbies: Enjoy race walking (received Bronze Medal in 1998 Corporate Challenge), dancing, camping, swimming, gardening and carpentry.

What your ideal weekend would be: Tutoring junior and high school students in mathematics.

Favourite Foods: Western, Chinese and Indian dishes, especially ones with beef, chicken and turkey.

If I could be anything at all (besides a SAS programmer), I would be. A teacher

When I'm not programming in SAS, I like to... Teach and help others.

One thing every SAS programmer should know...

SAS PROGRAM SIMPLIFIED FOR END USER /ADMINISTRATOR INTERVENTION

THE PROGRAM DOES THE FOLLOWING:

- A) DELETES PREVIOUS MONTHS DATASETS.
- B) EXTRACTS TRANSACTION DETAILS FROM THE HISTORICAL REVENUE DETAIL TABLE FOR A GIVEN REVENUE YEAR AND ACCOUNT NUMBER.
- C) EXTRACTS TRANSACTION DETAILS FROM THE WEEK TO DATE REVENUE DETAIL TABLE FOR A GIVEN REVENUE YEAR AND ACCOUNT NUMBER.
- D) EXTRACTS REVENUE CODE DESCRIPTIONS FROM REVENUE CODE TRANSLATION TABLE.
- E) MERGES TRANSACTION DETAIL FILE AND REVENUE CODE FILE DESCRIPTION.

F) OUTPUTS FILE AND PRINTS TRANSACTION DETAILS FROM THE HISTORICAL REVENUE DETAIL TABLE FOR A GIVEN REVENUE YEAR AND ACCOUNT NUMBER.

THE SOURCE COMES FROM THE FOLLOWING:

A) REVENUE DB2 TABLES :

- a) PWCBW.IWF_RVNU_DETAIL (YEAR TO DATE FILE)
- b) PWCBW.IW_R_RVNU_DTL_WTD (WEEK TO DATE FILE)
- c) PWCBW.IW_RVNU_CODE_TRNSL

PROGRAM WRITTEN BY: ESMAIL RAMJI DATE WRITTEN: September 16, 2002

```
*****  
*****  
    */
```

```
LIBNAME LIBRARY 'C:\TEMP';  
LIBNAME REVTRANS 'P:\busserv\ESMAIL\REV_TRANS_DETAIL';  
LIBNAME PWCBW ODBC USER=X001529 PASSWORD=xxxxxxx DATASRC=PIWD02  
SCHEMA=PWCBW;
```

```
* DELETE PREVIOUS MONTHS DATASETS AND FILES;  
PROC DATASETS LIBRARY=REVTRANS;  
DELETE          TRANSYTD TRANSWTD  
                TRANSALL_SORT RVNU_CODE_TRANSLAT  
                REV_TRANS;
```

RUN;

```
*** EXTRACTS TRANSACTIONS DETAILS FROM REVENUE DETAIL FILE ;  
*** CHANGE REVENUE YEAR AND ACCOUNT NUMBER ;
```

```
OPTIONS CENTER NODATE LINESIZE=130 ;  
%LET REVYEAR = 1999;  
%LET REVACT = 1785991;
```

```
PROC SQL;  
CREATE TABLE REVTRANS.TRANSYTD AS  
SELECT  AMT_APPL,  
        COVERAGE_END_DT,  
        COVERAGE_STRT_DT,  
        EMPL_RVNU_ACCT_NBR,  
        IDT_DATE,  
        OPER_INCD_NBR,  
        INS_EARN_AMT,  
        RATE_APPL,  
        OPER_RVNU_CD AS RVNU_CD,  
        RVNU_ITEM_ID,  
        RVNU_ITEM_LINE,  
        RVNU_ITEM_SEQ,  
        OPER_ENTRY_RSN_CD AS RVNU_RSN_CD,  
        YRD_YEAR_N  
FROM PWCBW.IWF_RVNU_DETAIL
```

```

WHERE (YRD_YEAR_N = &REVEAR AND
      EEMPL_RVNU_ACCT_NBR = &REVACT AND
      (YEAR(TODAY()) - YEAR(IDT_DATE) < 7 ));
RUN;

*** EXTRACTS TRANSACTIONS DETAILS FROM WEEK-TO-DATE DATA;

PROC SQL;
CREATE TABLE REVTRANS.TRANSWTD AS
  SELECT AMT_APPL,
         COVERAGE_END_DT,
         COVERAGE_STRT_DT,
         EEMPL_RVNU_ACCT_NBR,
         IDT_DATE,
         INDUSTRY_CD,
         INS_EARN_AMT,
         RATE_APPL,
         RVNU_CD,
         RVNU_ITEM_ID,
         RVNU_ITEM_LINE,
         RVNU_ITEM_SEQ,
         RVNU_RSN_CD,
         YRD_YEAR_N
  FROM PWCBW.IW_R_RVNU_DTL_WTD
  WHERE (YRD_YEAR_N = &REVEAR AND
        EEMPL_RVNU_ACCT_NBR = &REVACT);

RUN;

* COMBINE WEEK-TO-DATE AND REVENUE DETAIL FILE;

DATA TRANSALL (DROP = INDUSTRY_CD);

FORMAT OPER_INCD_NBR 5. ;
INFORMAT OPER_INCD_NBR 5.;

SET REVTRANS.TRANSYTD REVTRANS.TRANSWTD;

* EXCLUDE CURRENT MONTHS TRANSACTIONS DATA;

  IF (YEAR(IDT_DATE) = YEAR(TODAY()) AND MONTH(IDT_DATE) =
  MONTH(TODAY()))
  THEN DELETE;

* CONVERTING INDUSTRY CODE FORMAT FROM CHAR TO NUMERIC;

IF INDUSTRY_CD NE ' ' THEN OPER_INCD_NBR = INDUSTRY_CD;

RUN;

* EXCLUDE DUPLICATE RECORDS;
PROC SORT DATA= TRANSALL OUT=REVTRANS.TRANSALL_SORT NODUP;
BY EEMPL_RVNU_ACCT_NBR YRD_YEAR_N OPER_INCD_NBR IDT_DATE ;
RUN;

PROC SORT DATA= REVTRANS.TRANSALL_SORT OUT=SRT_TRANSALL;

```

```
BY RVNU_CD;
RUN;
```

```
*** EXTRACT REVENUE DESCRIPTION FROM THE TABLE;
```

```
PROC SQL;
CREATE TABLE REVTRANS.RVNU_CODE_TRANSLAT AS
  SELECT  RVNU_CD,
          RVNU_DESC
  FROM PWCBW.IW_RVNU_CODE_TRNSL
  ORDER BY RVNU_CD ;
```

```
RUN;
```

```
PROC SORT DATA= REVTRANS.RVNU_CODE_TRANSLAT  OUT=SRT_RVNU_CODE;
BY RVNU_CD;
RUN;
```

```
* MERGE FILE TO ADD REVENUE CODE DESCRIPTION;
```

```
DATA ADD_REV_DESC (KEEP = AMT_APPL
                        COVERAGE_END_DT
                        COVERAGE_STRT_DT
                        EMPL_RVNU_ACCT_NBR
                        IDT_DATE OPER_INCD_NBR
                        INS_EARN_AMT
                        RATE_APPL
                        RVNU_CD
                        RVNU_ITEM_ID
                        RVNU_ITEM_LINE
                        RVNU_ITEM_SEQ
                        RVNU_RSN_CD
                        YRD_YEAR_N
                        RVNU_DESC );
```

```
MERGE SRT_TRANSALL (IN=PRE) SRT_RVNU_CODE (IN=REV_CODE);
BY RVNU_CD;
IF PRE;
```

```
RUN;
```

```
PROC SORT DATA= ADD_REV_DESC OUT=REVTRANS.REV_TRANS;
BY EMPL_RVNU_ACCT_NBR YRD_YEAR_N OPER_INCD_NBR IDT_DATE ;
RUN;
```

```
PROC PRINT DATA = REVTRANS.REV_TRANS ;
LABEL EMPL_RVNU_ACCT_NBR = 'ACCOUNT'
      YRD_YEAR_N = 'RY'
      OPER_INCD_NBR = 'IND';
ID EMPL_RVNU_ACCT_NBR YRD_YEAR_N OPER_INCD_NBR IDT_DATE ;
VAR RVNU_CD RVNU_DESC RVNU_RSN_CD
     AMT_APPL INS_EARN_AMT RATE_APPL
     RVNU_ITEM_ID RVNU_ITEM_LINE RVNU_ITEM_SEQ
     COVERAGE_STRT_DT COVERAGE_END_DT ;
TITLE ' REVENUE TRANSACTIONS ' ;
RUN;
```