Formatted Query with Variable, Join, Report Format

Thursday, August 5, 2021

2:56 PM

drop program 1\_tr\_med\_service go

create program 1\_tr\_med\_service

prompt

"Output to File/Printer/MINE" = "MINE" ;\* Enter or select the printer or file name to send this report to.

with OUTDEV

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

; DVDev DECLARED SUBROUTINES

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

; DVDev DECLARED VARIABLES

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

declare MRN\_VAR = f8 with Constant(uar\_get\_code\_by("MEANING",319,"MRN")),protect

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

; DVDev Start Coding

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

; Your Code Goes Here

SELECT INTO $OUTDEV

P.NAME\_FULL\_FORMATTED

, E\_MED\_SERVICE\_DISP = UAR\_GET\_CODE\_DISPLAY(E.MED\_SERVICE\_CD)

, E.ENCNTR\_ID

, E.REG\_DT\_TM

, E.DISCH\_DT\_TM

, E.REASON\_FOR\_VISIT

, EA.ALIAS

, EA\_ENCNTR\_ALIAS\_TYPE\_DISP = UAR\_GET\_CODE\_DISPLAY(EA.ENCNTR\_ALIAS\_TYPE\_CD)

FROM

PERSON P

, ENCOUNTER E

, ENCNTR\_ALIAS EA

PLAN E where E.REG\_DT\_TM BETWEEN CNVTDATETIME("31-DEC-2019 23:59:59.00") AND CNVTDATETIME("31-DEC-2020 23:59:59.00")

JOIN P where p.person\_id=e.person\_id

JOIN EA where ea.encntr\_id=e.encntr\_id

AND ea.encntr\_alias\_type\_cd=MRN\_VAR

ORDER BY

E\_MED\_SERVICE\_DISP DESC

HEAD REPORT

ROW 1 COL 56 "MEDICAL SERVICE REPORT"

;call center ("MEDICAL SERVICE REPORT", 0, 132)

ROW + 2

Head Page

COL 5 "REPORT DATE:"

COL 21 curdate

ROW + 2

COL 5 "MEDICAL SERVICE:"

COL 30 "FULL NAME"

COL 60 "MEDICAL RECORD NUMBER"

COL 88 "ADMISSION DATE"

COL 109 "DICHARGE DATE"

ROW + 2

Head e\_med\_service\_disp

COL 5 E\_MED\_SERVICE\_DISP

DETAIL IF((ROW+2)>= MAXROW) BREAK ENDIF

NAME = SUBSTRING(1,25,P.NAME\_FULL\_FORMATTED )

COL 29 NAME

ALIAS1 = SUBSTRING(1,15,EA.ALIAS )

COL 61 ALIAS1

COL 89 E.REG\_DT\_TM

COL 109 E.DISCH\_DT\_TM

ROW + 1

FOOT e\_med\_service\_disp

COL 29 "MEDICAL SERVICE TOTAL:"

COL+2 COUNT(e.encntr\_id) row+2

FOOT PAGE                 ROW MAXROW -1

COL 78 "PAGE:"

COL +2 CURPAGE "##"

FOOT REPORT

COL 56 "END OF REPORT"

;call center("END OF REPORT", 0, 132)

WITH MAXREC = 100, NOCOUNTER, SEPARATOR=" ", FORMAT

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

; DVDev DEFINED SUBROUTINES

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

end

go

Tables for Example Encounter

Thursday, July 29, 2021

11:46 AM

**Admission**

* ENCNTR\_DOMAIN
  + Real-time view of where each patient is located
* PM\_TRANSACTION
  + Log of the ATD transactions and related events (admission, transfer, discharge)

**Orders**

* ORDER\_DETAIL
  + Systems treats each detail as a single entry with its own sequential number
* ORDER\_ACTION
  + Tracks different actions that occur with each order (placed, modified, completed)
* ORDER\_COMMENT
  + Updated when comment (ORDER\_COMMENT\_IND =1 from ORDER\_ACTION) is associated to specific ORDER\_ID
* LONG\_TEXT
  + Full text of order comments. Joins to ORDER\_COMMENT from LONG\_TEXT\_ID

**Results**

* CLINICAL\_EVENT
  + Stores result-type data, main table for storing procedure information. Creates a new row for each component of an order (temp, BP, HR) with its own CLINICAL\_EVENT\_ID
* RESULT
  + Stores the details about the individual components of the ordered procedure, linked to ORDERS table with ORDER\_ID
* PERFORM\_RESULT
  + Updated when the results of a general lab procedure are verified. Stores results and related information such as normal result ranges. Linked to RESULT table by RESULT\_ID
* RESULT\_COMMENT
  + Updated when comment is added (COMMENT\_IND from RESULT), then to LONG\_TEXT linked by LONG\_TEXT\_ID

**Discharge**

* ENCNTR\_DOMAIN
  + Updated with END\_EFFECTIVE\_DT\_TM
* PM TRANSACTION
  + New TRANSACTION\_ID row for the discharge of the patient
* ENCNTR\_LOC\_HIST
  + Stores location history for each encounter. Linked to ENCOUNTER by ENCNTR\_ID

Intermediate WBT

1\_tr\_person\_encounter

Thursday, August 12, 2021

8:01 AM

* Reasons for proprietary language (actually called Discern Explorer now)
  + RDBMS Independence
  + Implement functionality at a global level
  + Provides functionality not available at RDBMS level
* Discern Launch is a tool that houses a place to open many different Discern tools and only having to log in once

**SELECT COMMAND**

* Machine generated alternative text:
  The SELECT Command 
  SELECT 
  DISTINCT 
  INTO.. 
  FIELDS, EXPRESSIONS 
  FROM... 
  PLAN<table alias> WHERE. 
  JOIN<table alias> WHERE. 
  (or) 
  WHERE 
  GROUP BY 
  HAVING 
  ORDER BY.. 
  HEAD REPORT.. 
  HEAD PAGE... 
  HEAD <sort item>... 
  DETAIL... 
  FOOT <sort item>... 
  FOOT PAGE.. 
  FOOT REPORT... 
  Required 
  Suppress data 
  Output device 
  Selection list 
  Required, tables 
  Qualifications 
  Starting table, qualifications 
  Table joining to, qualifications and links 
  Qualifications on 1 table or joining tables 
  Aggregate Grouping 
  Aggregate Qualification 
  Sort 
  Beginning Of the report 
  Beginning of each page 
  Beginning Of logical group 
  Lowest level- individual records 
  End Of logical group 
  End of each page 
  End of the report 

**EXECUTABLE PROGRAM**

* Purpose: 1) execute programs on demand, 2) execute programs from front end apps, 3) create a report style output, 4) accept information from a prompt or another program to flex output

**Data Model Reports**

* Data model is an entity relationship diagram that displays the tables and relationships
  + CCLGLOS
* Table report displays field types and columns

**Joining Tables**

* Composite Index: when there are multiple fields within an index. Use the rest of the indexes listed as additional qualifications (ex: date range for discharge date)

**Reportwriter (Portrait pages are 60x132) (landscape is 48x170 or maxcol)**

* Machine generated alternative text:
  REp0RT_ 
  HEAD PAGE 
  HEAD 
  DETAIL___ 
  FOOT 
  FOOT PAGE.. 
  FOOT REPORT 
  inning of the report 
  Beginning of each page 
  Beginning ot logical group 
  Lowest level- individual records 
  End of logical group 
  End of each page 
  End of the report 
  + Every head needs a foot to go with it, can be accessed with Layout Builder
  + If there is an ORDER BY clause, the HEAD command will be sorted by it
    - FOOT sort item will also sort it by the end of the grouping.
    - If there is multiple lines for one person, it will display the name on the first line only and then you can place a "Number of rows" line on the footer line
    - Each HEAD SORT section must match the order of the ORDER BY clause if they are all used.
      * HEAD 1
      * HEAD 2
      * HEAD 3
      * DETAIL
      * FOOT 3
      * FOOT 2
      * FOOT 1
* Machine generated alternative text:
  Based on 
  ORDER BY 
  ORDER BY 
  name 
  . p.person_id 
  , ord mne 
  , o_orig_order_dt_tm 
  HEAD P.PERSON ID 
  col O name 
  row +2 
  HEAD ORD_MNE 
  col O ord_mne 
  DETAIL 
  col 30 
  row+l 
  FOOT ORD_MNE 
  row + 1 
  FOOT 
  row + I 
  clause 
  Name 
  Bill 
  Bill 
  Bill 
  Bill 
  Bill 
  Bill 
  ORD MNE 
  BUN 
  BUN 
  BUN 
  Vital Signs 
  Vital Signs 
  Vital Signs 
  Orig_order_dt_tm 
  11/01/2012 
  11/02/2012 
  11/03/2012 
  12/23/2012 
  12/24/2012 
  12/25/2012 
  Bill 
  BUN 
  11/01/2012 
  11/02/2012 
  11/03/2012 
  col O "Orders for this person " 
  row + 1 
  , COUNT(O.SEQ) 
  Vital Signs 12/23/2012 
  12/24/2012 
  12/25/2012 
  Orders for this person 6 