\*&---------------------------------------------------------------------\*  
\*& Module Pool       ZZ\_000\_EXCHANGE  
\*&  
\*&---------------------------------------------------------------------\*  
\*&  
\*&  
\*&---------------------------------------------------------------------\*  
  
PROGRAM  ZZ\_000\_EXCHANGE.  
DATA: OK\_CODE LIKE SY-UCOMM,  
      SAVE\_OK LIKE SY-UCOMM,  
      WD\_DATUM LIKE SY-DATUM. "got from exchange rate  
TABLES: ZZZ\_00\_EXCHANGE.  
  
CALL SCREEN 100.  
  
\*&---------------------------------------------------------------------\*  
\*&      Module  STATUS\_0100  OUTPUT  
\*&---------------------------------------------------------------------\*  
MODULE STATUS\_0100 OUTPUT.  
  SET PF-STATUS 'GENE'.  
  SET TITLEBAR 'CHANGE'.  
  IF ZZZ\_00\_EXCHANGE-DATUM IS INITIAL.  
    ZZZ\_00\_EXCHANGE-DATUM = SY-DATUM.  
  ENDIF.  
\* LOOP AT SCREEN.  
\*  
\* ENDLOOP.  
ENDMODULE.                 " STATUS\_0100  OUTPUT  
\*&---------------------------------------------------------------------\*  
\*&      Module  exit\_command  INPUT  
\*&---------------------------------------------------------------------\*  
MODULE EXIT\_COMMAND INPUT.  
  CASE OK\_CODE.  
    WHEN 'BACK' OR 'EXIT'.  
      LEAVE TO SCREEN 0.  
  ENDCASE.  
ENDMODULE.                 " exit\_command  INPUT  
\*&---------------------------------------------------------------------\*  
\*&      Module  USER\_COMMAND\_0100  INPUT  
\*&---------------------------------------------------------------------\*  
MODULE USER\_COMMAND\_0100 INPUT.  
  SAVE\_OK = OK\_CODE.  
  CLEAR OK\_CODE. "ready for next screen, if still use ok\_code  
\*check ZZZ\_00\_exchange-datum is not initial.  
  CALL FUNCTION 'READ\_EXCHANGE\_RATE'  
    EXPORTING  
      DATE                    = ZZZ\_00\_EXCHANGE-DATUM  
      FOREIGN\_CURRENCY        = ZZZ\_00\_EXCHANGE-WAERS\_F  
      LOCAL\_CURRENCY          = ZZZ\_00\_EXCHANGE-WAERS\_T  
\*   TYPE\_OF\_RATE            = 'M'  
\*   EXACT\_DATE              = ' '  
   IMPORTING  
     EXCHANGE\_RATE           = ZZZ\_00\_EXCHANGE-UKURS  
     FOREIGN\_FACTOR          = ZZZ\_00\_EXCHANGE-FFACT  
     LOCAL\_FACTOR            = ZZZ\_00\_EXCHANGE-TFACT  
     VALID\_FROM\_DATE         = WD\_DATUM  
\*   DERIVED\_RATE\_TYPE       =  
\*   FIXED\_RATE              =  
\*   OLDEST\_RATE\_FROM        =  
   EXCEPTIONS  
     NO\_RATE\_FOUND           = 1  
     NO\_FACTORS\_FOUND        = 2  
     NO\_SPREAD\_FOUND         = 3  
     DERIVED\_2\_TIMES         = 4  
     OVERFLOW                = 5  
     ZERO\_RATE               = 6  
     OTHERS                  = 7.  
  IF SY-SUBRC <> 0.  
\* Note: For the moment blocking error  
    MESSAGE ID SY-MSGID TYPE SY-MSGTY NUMBER SY-MSGNO  
            WITH SY-MSGV1 SY-MSGV2 SY-MSGV3 SY-MSGV4.  
  ENDIF.  
  
  IF SAVE\_OK = 'NEXT'.  
    CLEAR: ZZZ\_00\_EXCHANGE-WRBTR\_T, ZZZ\_00\_EXCHANGE-DMBTR\_F. "not from another previous currency  
    CALL SCREEN 200.  
  ENDIF.  
  
ENDMODULE.                 " USER\_COMMAND\_0100  INPUT  
\*&---------------------------------------------------------------------\*  
\*&      Module  USER\_COMMAND\_0200  INPUT  
\*&---------------------------------------------------------------------\*  
MODULE USER\_COMMAND\_0200 INPUT.  
  CALL FUNCTION 'CONVERT\_TO\_LOCAL\_CURRENCY'  
    EXPORTING  
      DATE                    = ZZZ\_00\_EXCHANGE-DATUM  
      FOREIGN\_AMOUNT          = ZZZ\_00\_EXCHANGE-WRBTR\_T  
      FOREIGN\_CURRENCY        = ZZZ\_00\_EXCHANGE-WAERS\_T  
      LOCAL\_CURRENCY          = ZZZ\_00\_EXCHANGE-WAERS\_F  
\*      RATE                    = 0  
\*      TYPE\_OF\_RATE            = 'M'  
\*      READ\_TCURR              = 'X'  
   IMPORTING  
     EXCHANGE\_RATE           = ZZZ\_00\_EXCHANGE-UKURS  
\*      FOREIGN\_FACTOR          =  
     LOCAL\_AMOUNT            = ZZZ\_00\_EXCHANGE-DMBTR\_F  
\*      LOCAL\_FACTOR            =  
\*      EXCHANGE\_RATEX          =  
\*      FIXED\_RATE              =  
\*      DERIVED\_RATE\_TYPE       =  
   EXCEPTIONS  
     NO\_RATE\_FOUND           = 1  
     OVERFLOW                = 2  
     NO\_FACTORS\_FOUND        = 3  
     NO\_SPREAD\_FOUND         = 4  
     DERIVED\_2\_TIMES         = 5  
     OTHERS                  = 6.  
  IF SY-SUBRC <> 0.  
    MESSAGE ID SY-MSGID TYPE SY-MSGTY NUMBER SY-MSGNO  
            WITH SY-MSGV1 SY-MSGV2 SY-MSGV3 SY-MSGV4.  
  ENDIF.  
  
ENDMODULE.                 " USER\_COMMAND\_0200  INPUT