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// *****
//BkCustomer READ BY NATIVE LANGUAGE (ILE RPG)
// Book ROW RETRIEVED WITH EMBEDDED SQL
// DETAIL REPORT LINE INCLUDES INFORMATION FROM BkCustomer and AudibleBks
// SUMMARRY REPORT INFORMATION RETRIEVED WITH EMBEDDED SQL STATEMENTS
//*****
DCL-f BkCustomer Disk(*EXT) Rename(BkCustomer:BkCustR);
DCL-f BookRpt Printer OFLIND(*IN01);
DCL-DS AudibleBks EXT END-DS;
DCL-S IndGenre BINDEC(4:0) ;
DCL-S Dummy zoned(1:0);

DCL-PI MAIN extpgm('BOOKSQL');
ReportTitle Char(15);
END-PI;

//*****
// *** MAIN ROUTINE ***
//*****

EXSR SummaryInfo;
Write Title;
Write ColHdg;
READ BkCustomer;

DOW NOT %EOF;
EXSR SQLSelect;
IF *IN01 = *ON;
Write Title;
Write ColHdg;
*IN01 = *OFF;
ENDIF;
Write Detail;
READ BkCustomer;
ENDDO;
Write TOTALS;

*INLR = *ON;
RETURN;

//*****
// SQL SELECT SUBROUTINE
//*****
BEGSR SQLSelect ;

EXEC SQL

SELECT Book, Genre, Price

INTO :Book, :Genre :IndGenre, :Price
FROM BCI433Lib/AudibleBks
WHERE BookId = :BookPur#;

SELECT;
WHEN SQLSTATE = '00000';
Dummy = 0 ;
WHEN SQLSTATE = '02000';
Book = 'Not Found';

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// S U M M A R Y I N F O   S U B R O U T I N E
//*****
                BEGSR SummaryInfo;
// D E T E R M I N E   T O T A L S   F O R   BkCustomer
EXEC SQL
    SELECT COUNT(*) INTO :BkCustTot
        FROM BCI433Lib/BkCustomer;

    IF (SQLCODE <> 0) OR (SQLWNO = 'W');
        BkCustTot = -999;
    ENDIF;

// D E T E R M I N E   Highest Quantity Customer Purchase
EXEC SQL
    SELECT Max(Qty) INTO :MostBooks
        FROM BCI433Lib/BkCustomer;
    IF (SQLCODE <> 0) OR (SQLWNO = 'W');

        MostBooks = -99;
    ENDIF;
        Book = 'Not Found';
        WHEN %Subst(SQLState :1 :2) = '01';
        Book = 'Warning';
        OTHER;
        Book = 'Error';
    ENDSL;

    If IndGenre = -1;
        Genre = 'Unknown Genre';
    ENDIF;

    Select;
        When Discount <> 0;
            EVAL(H) DisPrice = Price - (Price * Discount);
        Other;
            DisPrice = Price;
    ENDSL;
    ExPrice = DisPrice * Qty;
    ENDSR ;

EXEC SQL
    SELECT Sum(Qty) INTO :TotQty
        FROM BCI433Lib/BkCustomer;
    IF (SQLCODE <> 0) OR (SQLWNO = 'W') ;
        TotQty = -99;
    ENDIF;

// D E T E R M I N E   T H E   U S E R   S E R V E R   &   D A T E
EXEC SQL
    SELECT Current Date, CURRENT SERVER
        INTO :ReportDate, :SystemName
        FROM SYSIBM/SYSDUMMY1;

        ENDSR;

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