

\*\*\*\*\* Beginning of data \*\*\*\*\*

DCL-F BookRpt2 PRINTER OFLIND(\*IN01) ;

DCL-S GenreH Char(20);

DCL-S EndOfFile IND;

DCL-DS AudibleBksRec;

Genre Char(20);

Book Char(50);

Duration Time;

Author Char(30);

BookId Zoned(7:0);

Price Packed(5:2);

End-Ds AudibleBksRec;

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

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

// DETERMINE THE USER SERVER & TIME STA

EXEC SQL

SELECT Current Date, CURRENT SERVER

INTO :ReportDate, :SystemName

FROM SYSIBM/SYSDUMMY1;

EXSR PrepareFiles;

Write Title;

Write ColHdg;

EXSR GetRow;

Write GenreRec;

GenreH = Genre;

DOW NOT EndOfFile;

IF \*IN01 = \*ON;

Write Title;

Write ColHdg;

\*IN01 = \*OFF;

ENDIF;

If GenreH = Genre;

```

        Write Detail;
        TotalBooks = TotalBooks + 1;
        TotalPrice = TotalPrice + Price;
    Else;
        Write Totals;
        GenreH = Genre;
        Write GenreRec;
        Write Detail;
        TotalBooks = 1;
        TotalPrice = Price;
    EndIf;
    EXSR GetRow;
ENDDO;
EXSR WRAPUP;
Write Totals;
*INLR = *ON;
RETURN;

//*****
BEGSR PrepareFiles;
// S E T U P   T H E   T E M P O R A R Y   R E S U L T   S T R U C T U R E
EXEC SQL
    DECLARE BookGenres CURSOR
    FOR
        SELECT GENRE, BOOK,
                DURATION, AUTHOR,
                BOOKID, PRICE
        FROM   AUDIBLEBKS
        WHERE  GENRE = 'Sci Fi/Fantasy' or
                GENRE = 'Thriller/Mystery'
        ORDER BY GENRE, DURATION
        FOR READ ONLY;

// A   T E M P O R A R Y   R E S U L T   T A B L E   I S   C R E A T E D
EXEC SQL
    OPEN BookGenres;

    If SQLCODE <> 0 OR SQLWNO = 'W';

        EndOfFile = *ON;
    EndIf;

ENDSR;

```

```

//*****
//  G E T      R O W      S U B R O U T I N E
//*****
      BEGSR      GETROW;
EXEC SQL
      FETCH NEXT
      FROM BookGenres
      INTO :AudibleBksRec;

      If SQLCODE <> 0 OR SQLWNO = 'W';
        EndOfFile = *ON;
      EndIf;

      ENDSR;

//*****
//  W R A P U P      S U B R O U T I N E
//*****
      BEGSR WRAPUP;
EXEC SQL
      CLOSE BookGenres;

```