



CBTRN03C-cbl-0.4.4

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Documentation

1. High Level Overview Of This Program

1.1. Program Name

CBTRN03C

1.2. Main Purpose

The main purpose of CBTRN03C is to print a detailed transaction report. It processes transaction records, cross-references them with account information, and generates a formatted report containing transaction details and totals.

1.3. Business Context

This program operates in the context of a credit card transaction processing system, specifically within the CardDemo application. It is part of the reporting workflow, generating a daily transaction report that provides insights into credit card transactions for a specified date range.

1.4. Key Features

1. Date Range Processing: The program reads date parameters (WS-START-DATE and WS-END-DATE) to filter transactions within a specific date range.
2. Transaction Processing: It reads transaction records (TRAN-RECORD) from the TRANSACT-FILE and processes them sequentially.
3. Cross-referencing: The program uses the XREF-FILE to look up account information (XREF-ACCT-ID) associated with each card number (TRAN-CARD-NUM).
4. Transaction Type and Category Lookup: It uses TRANTYPE-FILE and TRANCATG-FILE to retrieve descriptions for transaction types and categories.
5. Report Generation: The program writes detailed transaction information to the REPORT-FILE, including transaction ID, account ID, type, category, source, and amount.
6. Totals Calculation: It calculates and reports page totals (WS-PAGE-TOTAL), account totals (WS-ACCOUNT-TOTAL), and grand totals (WS-GRAND-TOTAL) for the transactions.
7. Pagination: The program manages report pagination, writing headers and totals at appropriate intervals (WS-PAGE-SIZE).

1.5. Input Output

Input Tables:

N/A

Output Tables:

N/A

Input Files:

1. TRANSACT-FILE: Contains the transaction records to be processed and reported.
2. XREF-FILE: Stores cross-reference information linking card numbers to account IDs.
3. TRANTYPE-FILE: Contains descriptions for different transaction types.
4. TRANCATG-FILE: Stores descriptions for transaction categories.
5. DATE-PARMS-FILE: Provides the start and end dates for filtering transactions.

Output Files:

1. REPORT-FILE: The generated transaction detail report, including transaction details and various totals.

Miscellaneous Input:

N/A

Miscellaneous Output:

N/A

1.6. Integration

This program does not interact with any external systems beyond the files it processes. It operates as a standalone batch program within the CardDemo application ecosystem.