# Response:

1. High-Level Code flow:

The COBOL program (ORDERPGM) and the JCL job (ORDERJCL) are responsible for processing EDI 850 files. The program reads the input file, enriches each record with customer data from a database, and writes the enriched records to an output file. The JCL job runs this COBOL program using a PROC that includes two steps: one for accessing the EDI 850 file, and one for executing the COBOL program.

2. Code Flow Diagram:

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START

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| [JCL Job: ORDERJCL]

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V

|--> [Step1: Call PROC (EDI850PROC)]

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| |--> [Substep: ACCESSTRANSLATED]

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| | V

| | Access EDI850 File

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| |--> [Substep: EXECMAINPGM]

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| | V

| | Run COBOL Program (ORDERPGM)

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| |--> [Substep: CONTROL1]

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| V

| Access Control Card

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|--> [Step2: Notify completion]

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V

END

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3. Summarize the JCL Job, COBOL Main Program, PROC, Control Card, Subroutine:

* Summary of the JCL JOB:
* Job Name and Description: ORDERJCL - Processes EDI 850 files
* Job Steps:
* STEP1: Executes the PROC (EDI850PROC) which includes the main processing.
* STEP2: Sends a notification upon completion.
* Step Parameters: Executes the PROC (EDI850PROC), sends a message to a specified user.
* Data sets: The EDI 850 file and the output file are the datasets used.
* Execution Control Statements: Executes the PROC, sends a completion message.
* Summary of the COBOL Program:
* Program Name and Purpose: MAINCOBOL - Processes EDI 850 files and enriches each record with customer data
* Program Structure: Divided into environment division, data division, and procedure division. The procedure division consists of the OPEN-FILES, READ-INPUT, PROCESS-RECORD, and ENRICH-RECORD sections.
* Input and Output: Input is the EDI 850 file, output is an enriched file with customer data. Both are line sequential files.
* Logic and Processing: Reads the input file, processes each record, enriches it with customer data, and writes it to the output file.
* Data Description: Uses various data items such as INPUT-RECORD, OUTPUT-RECORD, WS-DB2-FIELDS.
* Subroutine Calls: None in this program.
* Error Handling: If an SQL error occurs during record enrichment, an error message is written to the output file.
* Summary of the Subroutine:
* Subroutine Name and Purpose: ENRICHMENT - Enriches each record with additional data
* Input Parameters: WS-INPUT-RECORD, WS-OUTPUT-RECORD
* Output Parameters: WS-OUTPUT-RECORD enriched with additional data
* Functionality Overview: Retrieves additional data from a database based on the input record's key field, and enriches the output record with this data.
* Subroutine Dependencies: Depends on the ENRICHMENT\_TABLE in the database.
* Error Handling: If an SQL error occurs during data retrieval, an error message is written to the output record.
* Summary of the PROC:
* PROC Name and Purpose: EDI850PROC - Runs the main processing steps for the EDI 850 files
* Steps: ACCESSTRANSLATED (accesses the EDI 850 file), EXECMAINPGM (runs the COBOL program), CONTROL1 (accesses the control card)
* Summary of the Control Card:
* Control Card Description: Contains rules for validation and enrichment. These are likely used by the COBOL program or PROC, although it's not clear from the provided code.