Lab 7. Implementing Trailers

Overview

This lab requires two COBOL programs, CBL0008 and CBL0009 and two respective JCL Jobs, CBL0008J and CBL0009J, to compile and execute the COBOL programs. All of which are provided to you in your VSCode - Zowe Explorer.
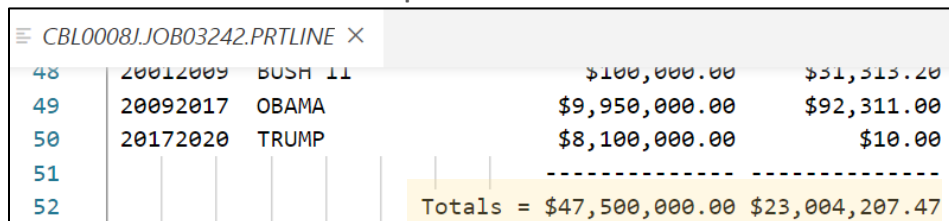
Objectives

- Practice the use of trailers
- Identify data name definition error using the IGY message
- Correct the source code
- Verify the correction is successful

Lab instructions

Using VSCode and Zowe Explorer:

1. Take a moment and look over the source code of the two COBOL programs provided: CBL0008 and CBL0009.

2. Submit CBL0008J

3. Observe report written with trailers consisting of limit and balance totals at the bottom of the output.

Figure 1. *Limit and balance totals*

4. Submit CBL0009J

5. Was the job successful? If not, find the compile error message to understand why.

6. Modify id.CBL(CBL0009), correcting the compile error.*

2

```
==000141==> IGYPS2121-S "TLIMIT" was not defined as a data-name.  The statement was discarded.
```

Figure 2. *IGYPS2121-S error message*

7. Re-submit CBL0009J

8. Validate that the syntax error was corrected by getting an error free output file like in Figure 3. The correction should report written with trailers consisting of limit and balance totals, like Figure 1.

> 🗀 CBL0009J(JOB03243) - CC 0012
> 🗀 CBL0009J(JOB03245) - CC 0000 ⟵

Figure 3. *Successful compile*

Lab Hints

6.
```
01   TLIMIT-TBALANCE.
     05 TLIMIT                PIC S9(9)V99 COMP-3 VALUE ZERO.
     05 TBALANCE              PIC S9(9)V99 COMP-3 VALUE ZERO.
```