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* 12/31/06 RPI 523 CODE DEMOMAIN CALLING DEMOSUB1/DEMOSUB2
* 01/08/07 RPI 523 ADD TIMING IN MICRO-SEC AND PERFORM TWICE
* 05/23/08 RPI 853 COBOL VERSION FOR TEST OF EZASOKET SUPPORT

- * 1. DEMOMAIN CALLS DEMOSUB1 TO CALCULATE AND DISPLAY SUM OF 2
* DISPLAY SCIENTIFIC NOTATION VALUES USING CFD AND CTD MACROS.
* FOR CONVERSION TO/FROM LD EXTENDED DFP FORMAT FOR ADDITION
* 2. DEMOMAIN CALLS DEMOSUB2 TO CALCULATE AND DISPLAY SUM OF 2
* INTEGER VALUES.
* 3. RUN SOA\DEMO\DEMOSTD.BAT TO ASSEMBLE, STATICALLY LINK, AND
* EXECUTE DEMO APPLICATION AS STANDARD LOCAL SINGLE PROCESS.
* 4. RUN SOA\DEMO\DEMOSOAC.BAT TO GENERATED, ASSEMBLE, LINK, AND
* EXECUTE DEMO APPLICAITON USING SOA CLIENT SERVER TO ALLOW
* RUNNING THE TWO CALLED SUBROUTINES AS SERVICES RUNNING ON
* SEPARATE PROCESS ON SAME OR ANY TCP/IP CONNECTED PLATFORM.
* 5. RUN SOA\DEMO\DEMOSOAC.BAT TO GENERATE COBOL STUBS AND DEMOCMGR
* 6. START SERVER SOA\DEMO\DEMOSMGR NOTIME
* 7. RUN DEMOMAIN.CBL USING MAINFRAME EXPRESS WITH EXASOKET SUPPORT
* 8. SEE Z390 SOA SUPPORT WEBPAGE FOR SCREEN VIEW OF OUTPUT

IDENTIFICATION DIVISION.

PROGRAM-ID. DEMOMAIN.

DATA DIVISION.

WORKING-STORAGE SECTION.

- 01 DFP1 PIC X(45) VALUE '1.1'.
01 DFP2 PIC X(45) VALUE '2.2'.
01 DFP3 PIC X(45) VALUE SPACES.
01 DFP3V PIC X(45) VALUE '3.3'.
01 INT1 PIC S9(8) COMP VALUE 1.
01 INT2 PIC S9(8) COMP VALUE 2.
01 INT3 PIC S9(8) COMP VALUE 0.
01 INT3V PIC S9(8) COMP VALUE 3.

PROCEDURE DIVISION.

MAIN.

DISPLAY 'DEMOMAIN.CBL SOA DEMO APPLICATION'

```
PERFORM CALL-SUB1 5 TIMES  
PERFORM CALL-SUB2 5 TIMES  
DISPLAY 'DEMOMAIN.CBL ENDED OK'  
GOBACK.
```

```
CALL-SUB1.
```

```
CALL "DEMOSUB1" USING DFP1, DFP2, DFP3  
IF DFP3 NOT = DFP3V GO TO ABORT.
```

```
CALL-SUB2.
```

```
CALL "DEMOSUB2" USING INT1, INT2, INT3  
IF INT3 NOT = INT3V GO TO ABORT.
```

```
ABORT.
```

```
DISPLAY 'DEMOMAIN.CBL SOA ERROR'  
MOVE 16 TO RETURN-CODE  
STOP RUN.
```