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*****
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* Date - 12/26/06                                      *
*****
* 12/31/06 RPI 523 CODE EXAMPLE APPLICATION DEMOSUB1 ROUTINE
* 07/08/07 RPI 637 CORRECT MISSING ENDING ) ON EXPLICIT OPERAND LM
*****
* CALC SCIENTIFIC DISPLAY PARM1 + PARM2 = PARM3 USING EXTENDED DFP
*****
DEMOSUB1 SUBENTRY
  LM R3,R5,0(R1)  LOAD 3 PARM ADDRESSES  RPI 637
  WTO 'DEMOSUB1 ENTERED'
  CFD CFD_LD,IN=(R3),OUT=0 F0,R2 = LD PARM1
  CFD CFD_LD,IN=(R4),OUT=1 F1,R3 = LD PARM2
  AXTR 0,0,1      F0,R2 = LD PARM1 + LD PARM2
  CTD CTD_LD,IN=0,OUT=DSUB DISPLAY VALUE OF SUB
  WTO MF=(E,WTOMSG) DISPLAY PARM3 = LD PARM1 + LD PARM2
  MVC 0(L'DSUB,R5),DSUB  UPDATE PARM3 FROM DSUB
  WTO 'DEMOSUB1 EXITING'
  SUBEXIT
WTOMSG DC AL2(WTOEND-*,0),C'DEMOSUB1 SUM='
DSUB DC CL45'
WTOEND EQU *
  EQUREGS
  END

```