

ADAS Subroutine i4unit

FUNCTION I4UNIT(IUNIT)

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C-----
C
C ***** FORTRAN77 INTEGER*4 FUNCTION: I4UNIT *****
C
C PURPOSE: TO RESET OR RETURN A STORED INTEGER*4 VALUE GREATER THAN OR
C EQUAL TO ZERO.
C THIS IS USED WITHIN ADAS TO STORE THE STREAM/UNIT NUMBER
C FOR THE OUTPUT OF ERROR MESSAGES (TO THE SCREEN).
C
C BY DEFAULT THE STORED VALUE WILL BE 6, AND WILL BE RETURNED
C BY THE FUNCTION IF IUNIT ON INPUT < 0.
C
C TO RESET THE STORED VALUE THEN SET IUNIT TO THE REQUIRED
C POSITIVE INTEGER (INC. ZERO). THIS VALUE WILL ALSO BE
C RETURNED BY THE FUNCTION.
C
C          IUNIT VALUE          RETURNED FUNCTION VALUE
C          -----          -----
C          IUNIT < 0          = CURRENT STORED INTEGER VALUE
C                               (6 BY DEFAULT).
C          IUNIT >= 0         = IUNIT , AND RESETS THE STORED
C                               VALUE TO IUNIT.
C
C CALLING PROGRAM: GENERAL USE
C
C SUBROUTINE:
C
C O      : (I*4)  I4UNIT   = FUNCTION NAME - (SEE ABOVE)
C
C I      : (I*4)  IUNIT    = FUNCTION ARGUMENT - (SEE ABOVE)
C
C          (I*4)  IDEFLT   = PARAMETER = DEFAULT STORED INTEGER VALUE
C
C          (I*4)  ICURNT   = CURRENT STORED INTEGER VALUE
C
C ROUTINES:
C          ROUTINE      SOURCE      BRIEF DESCRIPTION
C          -----
C
C AUTHOR:  PAUL E. BRIDEN (TESSELLA SUPPORT SERVICES PLC)
C          K1/0/37
C          JET EXT. 5023
C
C DATE:    23/04/93
C
C UPDATE:  24/05/93 - PE BRIDEN - ALLOWED 0 TO BE A VALID STORED NUMBER
C-----
```

INTEGER

IUNIT