CURSO LATINOAMERICANO DE
PROCESAMIENTO DE DATOS (PED)
APLICADO A LAS CIENCIAS SOCIALES
ASSIGN STATEMENTS AND VARIABLES
AS-2 Attempt to Redefine an Assigned Variable in an Arithmetic Statement
AS-3 Assigned Variable Used in an Arithmetic Expression
AS-4 Assigned Variable Cannot be Half Word Integer
AS-5 Attempt to Redefine an Assigned Variable in an Input List

BLOCK DATA STATEMENT
BD-0 Executable statement in Block Data Subprogramme
BD-1 Improper Block Data Statement

CARD FORMAT AND CONTENTS
CC-0 Columns 1-5 of Continuation Card not Blank
   Probable Cause - Statement Punched to Left of Column 7
CC-1 Too Many Continuation Cards (Maximum of 5)
CC-2 Invalid Character in Fortran Statement 'S' Inserted in Source Listing
CC-3 First Card of a Programme is a Continuation Card
   Probable Cause - Statement Punched to Left of Column 7
CC-4 Statement Too Long to Compile (Scan Stack Overflow)
CC-5 Blank Card Encountered
CC-6 Keypunch Used Differs from Keypunch Specified on Job Card
CC-7 First Character of Statement not Alphabetic
CC-8 Invalid Character ($) Concatenated with Fortran Keyword
CC-9 Invalid Characters in Col 1-5 Statement Number Ignored
   Probable Cause - Statement Punched to Left of Column 7

COMMON
CM-0 Variable Previously Placed in Common
CM-1 Name in Common List Previously Used as Other Than Variable
CM-2 Subprogramme Parameter Appears in Common Statement
CM-3 Initializing of Common Should be done in a Block Data Subprogramme
CM-4 Illegal Use of Common Block or Namelist Name

FORTRAN TYPE CONSTANTS
CN-0 Mixed Real*4,Real*8 in Complex Constant
CN-1 Integer Constant Greater Than 2,147,483,647 (2**31-1)
CN-3 Exponent on Real Constant Greater Than 99
CN-4 Real Constant has more than 16 Digits, Truncated to 16
CN-5 Invalid Hexadecimal Constant
CN-6 Illegal Use of Decimal Point
CN-8 Constant with E-Type Exponent has More Than 7 Digits, Assume D-Type
CN-9 Constant or Statement Number Greater Than 99999

COMPILER ERRORS
CP-0 Detected in Phase Reloc
CP-1 Detected in Phase Link
CP-2 Duplicate Pseudo Statement Numbers
CP-4 Detected in Phase Arith
DATA STATEMENT
DA-0 Replication Factor Greater Than 32767, Assume 32767
DA-1 Non Constant in Data Statement
DA-2 More Variables Than Constants in Data Statement
DA-3 Attempt to Initialize a Subprogramme Parameter in a Data Statement
DA-4 Non-Constant Subscripts in a Data Statement Invalid in /360 Fortran
DA-5 Extended Data Statement Not in /360 Fortran
DA-6 Non-AgreemeUt Between Type of Variable and Constant in Data Statement
DA-7 More Constants Than Variables in Data Statement
DA-8 Variable Previously Initialized, Latest Value Used
  Check Common/Equivalenced Variables
DA-9 Initializing Blank Common Not Allowed in /360 Fortran
DA-A Invalid Delimiter in Constant List Portion of Data Statement
DA-B Truncation of Literal Constant Has Occurred

DIMENSION STATEMENTS
DM-0 No Dimensions Specified For a Variable in a Dimension Statement
DM-1 Optional Length Specification in Dimension Statement is Illegal
DM-2 Initialization in Dimension Statement is Illegal
DM-3 Attempt to Re-Dimension a Variable
DM-4 Attempt to Dimension an Initialized Variable

DO LOOPS
DO-0 Illegal Statement Used as Object of DO
DO-1 Illegal Transfer Into the Range of a Do-Loop
DO-2 Object of a Do Statement has Already Appeared
DO-3 Improperly Nested Do-Loops
DO-4 Attempt to Redefine a Do-Loop Parameter Within Range of Loop
DO-5 Invalid Do-Loop Parameter
DO-6 Too Many Nested Do's (Maximum of 20)
DO-7 Do Parameter Is Undefined or Outside Range
DO-8 This Do Loop Will Terminate After First Time Through
DO-9 Attempt to Redefine a Do-Loop Parameter in an Input List

EQUIVALENCE AND/OR COMMON
EC-0 Two Equivalenced Variables Appear in Common
EC-1 Common Block Has a Different Length Than a Previous Subprogramme
EC-2 Common And/Or Equivalence Causes Invalid Alignment. Execution Slowed
  Remedy - Put Double Word Quantities First
EC-3 Equivalence Extends Common Downwards
EC-7 Common/Equivalence Statement Does Not Precede Previous Use of Variable
EC-9 A Name Subscripted in an Equivalence Statement Was Not Dimensioned
EC-8 Variable Used with Non-Constant Subscript in Common/Equivalence List

END STATEMENTS
EN-0 No End Statement In Programme - End Statement Generated
EN-1 End Statement Used as Stop Statement At Execution
EN-2 Improper End Statement
EN-3 First Statement of Subprogramme Is End Statement
EQUAL SIGNS
EQ-6 Illegal Quantity on Left of Equals Sign
EQ-8 Illegal Use of Equal Sign
EO-A Multiple Assignment Statements Not In /360 Fortran

EQUIVALENCE STATEMENTS
EV-0 Attempt To Equivalence A Variable To Itself
EV-1 Attempt To Equivalence A Subprogramme Parameter
EV-2 Less Than 2 Members In An Equivalence List
EV-3 Too Many Equivalence Lists (Max = 255)
EV-4 Previously Equivalenced Variable Re-Equivalenced Incorrectly

POWERS AND EXPONENTIATION
EX-0 Illegal Complex Exponentiation
EX-2 I** J Where I=J=0
EX-3 I** J Where I=0, J,LT.0
EX-6 0.0** Y Where Y,LE.0.0
EX-7 0.0** J Where J=0
EX-8 C*C** J Where J, LT.0
EX-9 X** Y Where X,LT.0.0, Y,NE.0.0

ENTRY STATEMENT
EY-0 Subprogramme Name In Entry Statement Previously Defined
EY-1 Previous Definition of Function Name In An Entry Is Incorrect
EY-2 Use of Subprogramme Parameter Inconsistent With Previous Entry Point
EY-3 Argument Name Has Appeared In An Executable Statement But Was Not
A Subprogramme Parameter
EY-4 Entry Statement Not Permitted In Main Programme
EY-5 Entry Point Invalid Inside a Do-Loop
EY-6 Variable Was Not Previously Used As A Parameter = Parameter Assumed

FORMAT
SOME FORMAT ERROR MESSAGES GIVE CHARACTERS IN WHICH ERROR WAS DETECTED
FM-0 Invalid Character In Input Data
FM-2 No Statement Number On A Format Statement
FM-5 Format Specification And Data Type Do Not Match
FM-6 Incorrect Sequence of Characters In Input Data

FT-0 First Character Of Variable Format Not a Left Bracket
FT-1 Invalid Character Encountered In Format
FT-2 Invalid Form Following a Specification
FT-3 Invalid Field Or Group Count
FT-4 A Field or Group Count Greater Than 255
FT-5 No Closing Bracket On Variable Format
FT-6 No Closing Quote In a Hollerith Field
FT-7 Invalid Use of Comma
FT-9 Insufficient Space to Compile A Format Statement (Scan-Stack Overflow)
FT-9 Invalid Use of P Specification
FT-A Character Follows Closing Right Bracket
FT-B Invalid Use of Period
More Than Three Levels of Parenthesis
Invalid Character Before a Right Bracket
"Missing" of Zero Length Hollerith Encountered
No Closing Right Bracket

FUNCTIONS AND SUBROUTINES
No Arguments in a Function Statement
Repeated Argument in Subprogram or Statement Function Definition
Subscripts On Right Hand Side of Statement Function
Probable Cause - Variable To Left Of = Not Dimensioned
Multiple Returns Are Invalid In Function Subprogrammes
Illegal-Length Modifier In Type Function Statement
Invalid Argument in Arithmetic or Logical Statement Function
Argument of Subprogramme is Same as Subprogramme Name

GO TO STATEMENTS
Statement Transfers To Itself or a Non-Executable Statement
Invalid Transfer To This Statement
Index of Computed 'Go To' Is Negative or Undefined
Error In Variable Of 'Go To' Statement
Index of Assigned 'Go To' is Undefined or Not In Range

HOLLERITH CONSTANTS
Zero Length Specified For H-Type Hollerith
Zero Length Quote-Type Hollerith
No Closing Quote or Next Card Not Continuation Card
Hollerith Constant Should Appear Only In Call Statement
Unexpected Hollerith or Statement Number Constant

IF STATEMENTS (ARITHMETIC AND LOGICAL)
Statement Invalid After a Logical If.
Arithmetic Or Invalid Expression In Logical If
Logical, Complex, or Invalid Expression in Arithmetic If

IMPLICIT STATEMENT
Invalid Mode Specified in an Implicit Statement
Invalid Length Specified in an Implicit or Type Statement
Illegal Appearance of $ in a Character Range
Improper Alphabetic Sequence in Character Range
Specification Must be Single Alphabetic Character, 1st Character Used
Implicit Statement Does Not Precede Other Specification Statements
Attempt to Establish the Type of a Character More Than Once
/360 Fortran Allows One Implicit Statement Per Programme
Invalid Element in Implicit Statement
Invalid Delimiter in Implicit Statement
INPUT/OUTPUT

I0-0  Missing Comma In I/O List of I/O or Data Statement
I0-2  Statement Number in I/O Statement Not A Format Statement Number
I0-3  Buffer Overflow - Line Too Long For Device
I0-6  Variable Format Not An Array Name
I0-8  Invalid Element in Input List or Data List
I0-9  Type of Variable Unit not Integer in I/O Statements
I0-A  Half-Word Integer Variable Used as Unit in I/O Statements
I0-B  Assigned Integer Variable used as Unit in I/O Statements
I0-C  Invalid Element in an Output List
I0-D  Missing or Invalid Unit in I/O Statement
I0-E  Missing or Invalid Format in Read/Write Statement
I0-F  Invalid Delimiter in Specification Part of I/O Statement
I0-G  Missing Statement Number After END= OR ERR=
I0-H  /360 Fortran Doesn't Allow End/Err Returns in Write Statements
I0-J  Invalid Delimiter in I/O List
I0-K  Invalid Delimiter in Stop, Pause, Data or Tape Control Statement

JOB CONTROL CARDS

JB-1  Job Card Encountered During Compilation
JB-2  Invalid Option(s) Specified on Job Card
JB-3  Unexpected Control Card Encountered During Compilation

JOB TERMINATION

KO-0  Job Terminated in Execution Because of Compile Time Error
KO-1  Fixed Point Division by Zero
KO-2  Floating-Point Division by Zero
KO-3  Too Many Exponent Overflows
KO-4  Too Many Exponent Underflows
KO-5  Too Many Fixed Point Overflows
KO-6  Job Time Exceeded
KO-7  Compiler Error - Interruption at Execution Time, Return to System

LOGICAL OPERATIONS

LG-2  Not Used as a Binary Operator

LIBRARY ROUTINES

LI-0  Argument Out of Range Dgamma or Gamma. (1.382e-76 .LT. X .LT. 57.57)
LI-1  Absolute Value of argument .GT. 174,673, SINH,COSH,DSINH,DCOSH
LI-2  Sense Light Other than 0,1,2,3,4 for Slite or 1,2,3,4 for Slits
LI-3  Real Portion of Argument .GT. 174,673, CEXP or CDEXP
LI-4  ABS(AIMAG(Z)) .GT. 174,673 for CSIN, CCOS, CDSIN or CDCOS of Z
LI-5  ABS(REAL(Z)). GB. 3.537E15 for CSIN, CCOS, CDSIN or CDCOS of Z
LI-6  ABS(AIMAG(Z)) .GE. 3.537E15 for CEXP or CDEXP of Z;
LI-7  Argument .GT. 174,673, EXP or DEXP
LI-8  Argument is Zero, CLOG, CLOG10, CDLOG or CDLOG10
LI-9 Argument is Negative or Zero, ALOG, ALOG10, DLOG or DLOG10
LI-A ABS(X),GF, 3.537E15 for SIN, COS, DSIN or DCOS of X
LI-B Absolute Value of Argument .GT. 1, for ARSIN, ARCS, DARCS or DARCOS
LI-C Argument is Negative, SORT or DSORT
LI-D Both Arguments of DATAN2 or ATAN2 are Zero
LI-E Argument Too Close to a Singularity, TAN, COTAN, DTAN or DCOTAN
LI-F Argument Out of Range DLGAMMA or ALGAMA, (0.0 .LT. X .LT. 4.29E73)
LI-G Absolute Value of Argument .GT. 3.537E15, TAN, COTAN, DTAN, DCOTAN
LI-H Fewer Than Two Arguments for one of MINO, MINI, AMINO, etc.

MIXED MODE
MD-2 Relational Operator has a Logical Operand
MD-3 Relational Operator has a Complex Operand
MD-4 Mixed Mode - Logical With Arithmetics
MD-6 Warning - Subscript is Complex

MEMORY OVERFLOW
MO-0 Symbol Table Overflows Object Code, Source Error Checking Continues
MO-1 Insufficient Memory to Assign Array Storage, Job Abandoned
MO-2 Symbol Table Overflows Compiler, Job Abandoned
MO-3 Data Area of Subprogramme too large — Segment Subprogramme

PARENTHESISES
PC-0 Unmatched Parenthesis
PC-1 Invalid Bracket Nesting in I/O List

PAUSE, STOP STATEMENTS
PS-0 Stop with Operator Message not Allowed, Simple Stop Assumed
PS-1 Pause with Operator Message not Allowed, Treated as Continue

RETURN STATEMENT
RE-0 First Card of Subprogram is a Return Statement
RE-1 Return I, Where I is Zero, Negative or too Large
RE-2 Multiple Return not Valid in Function Subprogramme
RE-3 Variable in Multiple Return is not a Simple Integer Variable
RE-4 Multiple Return not Valid in Main Programme

ARITHMETIC AND LOGICAL STATEMENT FUNCTIONS:
PROBABLE CAUSE OF SF ERRORS - VARIABLE ON LEFT OF = WAS NOT DIMENSIONED
SF-1 Previously Referenced Statement Number on Statement Function
SF-2 Statement Function is the Object of a Logical If Statement
SF-3 Recursive Statement Function, Name Appears on Both Sides of =

SUBPROGRAMMES
SR-0 Missing Subprogramme
SR-2 Subprogramme Assigned Different Modes in Different Programme Segments
SR-4 Invalid Type of Argument in Subprogramme Reference
SR-5 Subprogram Attempts to Redefine a Constant, Temporary or do Parameter
SR-6 Attempt to Use Subprogramme Recursively
SR-7 Wrong Number of Arguments in Subprogramme Reference
SR-8 Subprogramme Name Previously Defined — First Reference Used
SR-9 No Main Program
SR-A Illegal or Blank Subprogramme Name

SUBSCRIPTS
SS-0 Zero Subscript or Dimension Not Allowed
SS-1 Subscript Out of Range
SS-2 Invalid Variable or Name Used for Dimension

STATEMENTS AND STATEMENT NUMBERS
ST-0 Missing Statement Number
ST-1 Statement Number Greater Than 99999
ST-3 Multiply Defined Statement Number
ST-4 No Statement Number on Statement Following Transfer Statement
ST-5 Undercodeable Statement
ST-7 Statement Number Specified in a Transfer is a Non-Executable Statement
ST-8 Statement Number Constant Must be in a Call Statement
ST-9 Statement Specified in a Transfer Statement is a Format Statement
ST-A Missing Format Statement

SUBSCRIPTED VARIABLES
SV-0 Wrong Number of Subscripts
SV-1 Array Name or Subprogramme Name Used Incorrectly Without List
SV-2 More than 7 Dimensions not Allowed
SV-3 Dimension Too Large
SV-4 Variable With Variable Dimension is not a Subprogramme Parameter
SV-5 Variable Dimension Neither Simple Integer nor S/P Parameter

SYNTAX ERRORS
SX-0 Missing Operator
SX-1 Syntax Error—Searching for Symbol, None Found
SX-2 Syntax Error—Searching for Constant, None Found
SX-3 Syntax Error—Searching for Symbol or Constant, None Found
SX-4 Syntax Error—Searching for Statement Number, None Found
SX-5 Syntax Error—Searching for Simple Integer Variable, None Found
SX-C Illegal Sequence of Operators in Expression
SX-D Missing Operand or Operator

I/O OPERATIONS
UN-0 Control Card Encountered on Unit 5 during Execution Probable Cause — Missing Data or Improper Format Statements
UN-1 End of File Encountered
UN-2 I/O Error
UN-3 Data Set Referenced for Which No DD Card Supplied
UN-4 Rewind, Endfile, Backspace References Unit 5, 6, 7
UN-5 Attempt to Read on Unit 5 after it has had end-of-file
UN-6 Unit Number is Negative, Zero, or Greater than 7
UN-7 Too many Pages
UN-8 Attempt to do Sequential I/O on a direct Access File
UN-9 Write References 5 or Read References 6, 7
UNDEFINED VARIABLES
UV-0 Undefined Variable - Simple Variable
UV-1 Undefined Variable - Equivalenced, Commoned, Or Dummy Parameter
UV-2 Undefined Variable - Array Member
UV-3 Undefined Variable - Array Name which was used as a Dummy Parameter
UV-4 Undefined Variable - Subprogramme Name used as Dummy Parameter
UV-5 Undefined Variable - Argument of the Library Subprogramme Named
UV-6 Variable Format Contains Undefined Character(s)

VARIABLE NAMES
VA-0 Attempt to Redefine Type of a Variable Name
VA-1 Subroutine Name or Common Block Name used Incorrectly
VA-2 Variable Name Longer than Six Characters, Truncated to Six
VA-3 Attempt to Redefine the Mode of a Variable Name
VA-4 Attempt to Redefine the Type of a Variable Name
VA-5 Illegal Use of a Subroutine Name
VA-6 Attempt to use a previously defined Name as Function or Array
VA-7 Attempt to Use a previously defined Name as Statement Function
VA-A Attempt to use a previously defined Name as Subprogramme Name
VA-B Name used as a Common Block Previously Used as a Subprogramme Name
VA-C Name used as a Subprogramme previously Used as a Common Block Name

EXTERNAL STATEMENT
XT-0 Invalid Element in External List
XT-1 Invalid Delimiter in External Statement
XT-2 Subprogramme Previously Externalled