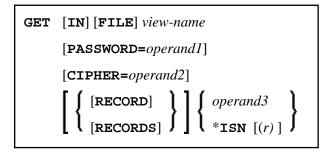
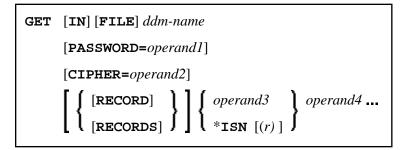
# GET

#### Structured Mode Syntax



#### **Reporting Mode Syntax**



This chapter covers the following topics:

- Function
- Restrictions
- Syntax Description
- Example

For an explanation of the symbols used in the syntax diagram, see Syntax Symbols.

Related Statements: ACCEPT/REJECT | AT BREAK | AT START OF DATA | AT END OF DATA | BACKOUT TRANSACTION | BEFORE BREAK PROCESSING | DELETE | END TRANSACTION | FIND | GET SAME | GET TRANSACTION | HISTOGRAM | LIMIT | PASSW | PERFORM BREAK PROCESSING | READ | RETRY | STORE | UPDATE

Belongs to Function Group: Database Access and Update

## Function

The GET statement is used to read a record with a given Adabas Internal Sequence Number (ISN).

The GET statement does not cause a processing loop to be initiated.

### Restrictions

- The GET statement cannot be used for DL/I and SQL databases.
- The GET statement cannot be used with Entire System Server.

### **Syntax Description**

Operand Definition Table:

Operand	Possible Structure				Possible Formats										Referencing Permitted	Dynamic Definition	
operand1	С	S				A										yes	no
operand2	С	S					N									no	no
operand3	С	S			N		N	Р	I		B *					yes	no
operand4		S	Α			A	N	Р	I	F	В	D	Т	L		yes	yes

\* Format B of *operand3* may be used only with a length of less than or equal to 4.

Syntax Element Description:

view-name	View Name:										
	In structured mode and in reporting mode using a DEFINE DATA LOCAL statement, the name of a view as defined either directly within a DEFINE DATA statement or in a separate global or local data area.										
ddm-name	DDM Name:										
	In reporting mode using no DEFINE DATA LOCAL statement, the name of the data definition module (DDM) is referenced.										
PASSWORD=operand1	PASSWORD Clause/CYPHER Clause:										
	These clauses are applicable only to Adabas and VSAM databases.										
	The PASSWORD clause is used to provide a password when retrieving data from an Adabas file which is password protected.										
CIPHER=operand2	The CIPHER clause is used to provide a cipher key when retrieving data from an Adabas file which is enciphered.										
	See the statements FIND and PASSW for further information.										
*ISN / operand3	Internal Sequence Number:										
	The ISN must be provided either in the form of a numeric constant or user-defined variable ( <i>operand3</i> ), or via the Natural system variable *ISN.										
	<b>Note:</b> for VSAM databases: For VSAM ESDS, the RBA must be contained in a user-defined variable (numeric format) or must be specified as an integer constant. The same rules apply to VSAM RRDS with the exception that the RRN must be provided instead of the RBA.										
( <i>r</i> )	Statement Reference:										
	The notation $(r)$ is used to specify the statement which contains the FIND or READ statement used to initially read the record.										
	If $(r)$ is not specified, the GET statement will be related to the innermost active processing loop.										
	(r) may be specified as a reference statement number or as a statement label.										
operand4	Reference to Database Fields:										
	Subsequent references to database fields that have been read with a GET statement must contain the label or line number of the GET statement.										

### Example

```
** Example 'GETEX1': GET
*****
DEFINE DATA LOCAL
1 PERSONS VIEW OF EMPLOYEES
 2 PERSONNEL-ID
 2 NAME
 2 FIRST-NAME
1 SALARY-INFO VIEW OF EMPLOYEES
 2 NAME
 2 CURR-CODE (1:1)
 2 SALARY (1:1)
*
1 #ISN-ARRAY (B4/1:10)
1 #LINE-NR (N2)
END-DEFINE
FORMAT PS=16
LIMIT 10
READ PERSONS BY NAME
 MOVE *COUNTER TO #LINE-NR
 MOVE *ISN TO #ISN-ARRAY (#LINE-NR)
 DISPLAY #LINE-NR PERSONNEL-ID NAME FIRST-NAME
 /*
 AT END OF PAGE
   INPUT / 'PLEASE SELECT LINE-NR FOR SALARY INFORMATION:' #LINE-NR
   IF #LINE-NR = 1 THRU 10
     GET SALARY-INFO #ISN-ARRAY (#LINE-NR)
     WRITE / SALARY-INFO.NAME
            SALARY-INFO.SALARY (1)
            SALARY-INFO.CURR-CODE (1)
   END-IF
 END-ENDPAGE
 /*
END-READ
END
```

#### **Output of Program GETEX1:**

05-01-13 13:17:42 Page 1 #LINE-NR PERSONNEL NAME FIRST-NAME ID \_\_\_\_\_ \_ \_\_\_\_ 1 60008339 ABELLAN KEPA 30000231 ACHIESON 2 ROBERT 50005800 ADAM 3 SIMONE 20008800 ADKINSON 4 JEFF 20009800 ADKINSON PHYLLIS 5 20012700 ADKINSON HAZEL 6 7 20013800 ADKINSON DAVID 20019600 ADKINSON 8 CHARLIE 20008600 ADKINSON 9 MARTHA 20005700 ADKINSON 10 TIMMIE PLEASE SELECT LINE-NR FOR SALARY INFORMATION: 1

ABELLAN 1450000 PTA

GET