

Statements ACCEPT and REJECT

The statements ACCEPT and REJECT are used to select records based on user-specified logical criteria.

The statements ACCEPT and REJECT can be used in conjunction with the database access statements READ, FIND and HISTOGRAM.

Example of ACCEPT Statement:

```

** Example Program 'ACCEPX01'
  DEFINE DATA LOCAL
  1 MYVIEW VIEW OF EMPLOYEES
    2 NAME
    2 JOB-TITLE
    2 CURR-CODE (1:1)
    2 SALARY    (1:1)
  END-DEFINE
  READ (20) MYVIEW BY NAME WHERE CURR-CODE (1) = 'USD'
    ACCEPT IF SALARY (1) >= 40000
    DISPLAY NAME JOB-TITLE SALARY (1)
  END-READ
  END

```

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NAME	CURRENT POSITION	ANNUAL SALARY	
ADKINSON	DBA	46700	
ADKINSON	MANAGER	47000	
ADKINSON	MANAGER	47000	
AFANASSIEV	DBA	42800	
ALEXANDER	DIRECTOR	48000	
ANDERSON	MANAGER	50000	
ATHERTON	ANALYST	43000	
ATHERTON	MANAGER	40000	

ACCEPT/REJECT statements allow you to specify logical conditions in addition to those that were specified in WITH and WHERE clauses of the READ statement. The logical condition criteria in the IF clause of an ACCEPT/REJECT statement are evaluated *after* the record has been selected and read.

Logical condition operators include the following (see Logical Condition Criteria in the Natural Statements documentation for more detailed information):

EQUAL	EQ	:=
NOT EQUAL TO	NE	≠
LESS THAN	LT	<
LESS EQUAL	LE	<=
GREATER THAN	GT	>
GREATER EQUAL	GE	>=

Logical condition criteria in ACCEPT/REJECT statements may also be connected with the Boolean operators AND, OR, and NOT. Moreover, parentheses may be used to indicate logical grouping.

Example of ACCEPT Statement with AND Operator:

The following program illustrates the use of the Boolean operator AND in an ACCEPT statement.

```

** Example Program 'ACCEPX02'
DEFINE DATA LOCAL
1 MYVIEW VIEW OF EMPLOYEES
  2 NAME
  2 JOB-TITLE
  2 CURR-CODE (1:1)
  2 SALARY (1:1)
END-DEFINE
READ (20) MYVIEW BY NAME WHERE CURR-CODE (1) = 'USD'
  ACCEPT IF SALARY (1) >= 40000
    AND SALARY (1) <= 45000
  DISPLAY NAME JOB-TITLE SALARY (1)
END-READ
END

```

Example of REJECT Statement with OR Operator:

The following program, which uses the Boolean operator OR in a REJECT statement, produces the same output as the ACCEPT statement above, as the logical operators are reversed.

```

** Example Program 'ACCEPX03'
DEFINE DATA LOCAL
1 MYVIEW VIEW OF EMPLOYEES
  2 NAME
  2 JOB-TITLE
  2 CURR-CODE (1:1)
  2 SALARY (1:1)
END-DEFINE
READ (20) MYVIEW BY NAME WHERE CURR-CODE (1) = 'USD'
  REJECT IF SALARY (1) < 40000
    OR SALARY (1) > 45000
  DISPLAY NAME JOB-TITLE SALARY (1)
END-READ
END

```

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	NAME	CURRENT POSITION	ANNUAL SALARY
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	AFANASSIEV	DBA	42800
	ATHERTON	ANALYST	43000
	ATHERTON	MANAGER	40000

Further Examples of ACCEPT and REJECT Statements:

See programs ACCEPX04, ACCEPX05 and ACCEPX06 in library SYSEXP.