

# EJECT

This chapter covers the following topics:

- Function
- Syntax Description
- Processing
- Example

Related Statements: AT END OF PAGE | AT TOP OF PAGE | CLOSE PRINTER | DEFINE PRINTER | DISPLAY | FORMAT | NEWPAGE | PRINT | SKIP | SUSPEND IDENTICAL SUPPRESS | WRITE | WRITE TITLE | WRITE TRAILER

Belongs to Function Group: *Creation of Output Reports*

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## Function

The EJECT statement may be used to control page advance/page ejection.

## Syntax Description

Two different structures are possible for this statement.

- EJECT - Syntax 1
- EJECT - Syntax 2

For an explanation of the symbols used in the syntax diagrams below, see *Syntax Symbols*.

### EJECT - Syntax 1

$\text{EJECT } \left\{ \begin{array}{c} \text{ON} \\ \text{OFF} \end{array} \right\} [(rep)]$
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Syntax Element Description:

<b>EJECT ON/OFF</b> ( <i>rep</i> )	<b>With Report Specification - Online and Batch Modes:</b>	
	EJECT OFF ( <i>rep</i> )	Causes no page advance (except as specified with Syntax 2 of the EJECT statement) for the specified report to be executed.
	EJECT ON ( <i>rep</i> )	Causes page advances for the specified report to be executed.
<b>EJECT ON/OFF</b>	<b>Without Report Specification - Batch Mode only:</b>	
	Without report notation ( <i>rep</i> ), EJECT ON/OFF may be used in batch mode to control page ejection between the output listings created during the execution of a program.	
	EJECT ON	Causes Natural to generate a page eject between the source program listing, the output report and the message "EXECUTION COMPLETED". This is the default setting.
	EJECT OFF	Causes Natural to suppress page breaks between the above output. EJECT OFF remains in effect until revoked with a subsequent EJECT ON statement.
( <i>rep</i> )	<b>Report Specification:</b>	
	The notation ( <i>rep</i> ) may be used to specify the identification of the report for which the EJECT statement is applicable.	
	A value in the range 0 - 31 or a logical name which has been assigned using the DEFINE PRINTER statement may be specified.	
	If ( <i>rep</i> ) is not specified, the EJECT statement will be applicable to the first report (Report 0).	
	For information on how to control the format of an output report created with Natural, see <i>Controlling Data Output</i> (in the <i>Programming Guide</i> ).	

## EJECT - Syntax 2

This form of the EJECT statement may be used to cause a page advance without a title or heading line being generated on the next page and without TOP/END PAGE processing.

<b>EJECT</b> [( <i>rep</i> )] [ [ <b>IF</b> ] <b>LESS [THAN]</b> <i>operand1</i> [ <b>LINES</b> ] [ <b>LEFT</b> ] ] [ [ <b>WHEN</b> ] ]
--

Operand Definition Table:

Operand	Possible Structure			Possible Formats										Referencing Permitted	Dynamic Definition			
<i>operand1</i>	C	S					N	P	I								yes	no

Syntax Element Description:

<b>(rep)</b>	<p><b>Report Specification:</b></p> <p>The notation (<i>rep</i>) may be used to specify the identification of the report for which the EJECT statement is applicable.</p> <p>A value in the range 0 - 31 or a logical name which has been assigned using the DEFINE PRINTER statement may be specified.</p> <p>If (<i>rep</i>) is not specified, the EJECT statement will be applicable to the first report (Report 0).</p> <p>For information on how to control the format of an output report created with Natural, see <i>Controlling Data Output</i> (in the <i>Programming Guide</i>).</p>
<b>IF LESS THAN <i>operand1</i> LINES LEFT</b>	<p>A page advance will be performed only when the current line for the page is greater than the page size minus <i>operand1</i>. The value for <i>operand1</i> may be specified as a numeric constant or as a variable.</p>

## Processing

The execution of an EJECT statement does not cause any statements used with an AT TOP OF PAGE, AT END OF PAGE, WRITE TITLE or WRITE TRAILER statement to be executed. It does not affect system functions evaluated by DISPLAY GIVE SYSTEM FUNCTIONS.

EJECT causes a new physical page only. It causes the Natural system variable \*LINE-COUNT to be set to 1 but has no effect on the setting of the Natural system variable \*PAGE-NUMBER.

## Example

```

** Example 'EJTEX1': EJECT
*****
DEFINE DATA LOCAL
1 EMPLOY-VIEW VIEW OF EMPLOYEES
  2 CITY
  2 NAME
  2 JOB-TITLE
END-DEFINE
*
FORMAT PS=15
LIMIT 9
READ EMPLOY-VIEW BY CITY
/*

```

```

AT START OF DATA
  EJECT
  WRITE /// 20T '%' (29) /
           20T '%%' /
           20T '%%' 3X 'REPORT OF EMPLOYEES' 47T '%%' /
           20T '%%' 3X ' SORTED BY CITY ' 47T '%%' /
           20T '%%' /
           20T '%' (29) /

  EJECT
  END-START
  EJECT WHEN LESS THAN 3 LINES LEFT
  /*
  WRITE '*' (64)
  DISPLAY NOTITLE NOHDR CITY NAME JOB-TITLE 5X *LINE-COUNT
  WRITE '*' (64)
END-READ
END
    
```

**Output of Program EJTEX1:**

```

%%%%%%%%%%
%%
%% REPORT OF EMPLOYEES %%
%% SORTED BY CITY %%
%%
%%%%%%%%%%
    
```

**After pressing ENTER:**

```

*****
AIKEN                SENKO                PROGRAMMER                2
*****
AIX EN OTHE          GODEFROY            COMPTABLE                5
*****
AJACCIO              CANALE                CONSULTANT                8
*****
ALBERTSLUND          PLOUG                KONTORASSISTENT        11
*****
ALBUQUERQUE          HAMMOND              SECRETARY                14
*****
    
```

**After pressing ENTER:**

```

*****
ALBUQUERQUE          ROLLING              MANAGER                2
*****
ALBUQUERQUE          FREEMAN              MANAGER                5
*****
ALBUQUERQUE          LINCOLN              ANALYST                8
    
```

```
*****  
*****  
ALFRETON          GOLDBERG          JUNIOR  
*****
```

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