

# Layout of an Output Page

This chapter gives an overview of the statements that may be used to define a specific layout for a report.

The following topics are covered:

- Statements Influencing a Report Layout
- General Layout Example

## Statements Influencing a Report Layout

The following statements have an impact on the layout of the report:

Statement	Function
WRITE TITLE	With this statement, you can specify a page title, that is, text to be output at the top of a page. By default, page titles are centered and not underlined.
WRITE TRAILER	With this statement, you can specify a page trailer, that is, text to be output at the bottom of a page. By default, the trailer lines are centered and not underlined.
AT TOP OF PAGE	With this statement, you can specify any processing that is to be performed whenever a new page of the report is started. Any output from this processing will be output below the page title.
AT END OF PAGE	With this statement, you can specify any processing that is to be performed whenever an end-of-page condition occurs. Any output from this processing will be output below any page trailer (as specified with the WRITE TRAILER statement).
AT START OF DATA	With this statement, you specify processing that is to be performed after the first record has been read in a database processing loop. Any output from this processing will be output before the first field value. See note below.
AT END OF DATA	With this statement, you specify processing that is to be performed after all records for a processing loop have been processed. Any output from this processing will be output immediately after the last field value. See note below.
DISPLAY / WRITE	With these statements, you control the format in which the field values that have been read are to be output. See section <i>Statements DISPLAY and WRITE</i> .

### Note:

The relevance of the statements AT START OF DATA and AT END OF DATA for the output of data is described under *Database Access, AT START/END OF DATA Statements*. The other statements listed above are discussed in other sections of the part *Controlling Data Output*.

## General Layout Example

The following example program illustrates the general layout of an output page:

```

** Example 'OUTPUX01': Several sections of output
*****
DEFINE DATA LOCAL
1 EMP-VIEW VIEW OF EMPLOYEES
  2 NAME
  2 FIRST-NAME
  2 BIRTH
END-DEFINE
*
WRITE TITLE      '***** Page Title *****'
WRITE TRAILER    '***** Page Trailer *****'
*
AT TOP OF PAGE
  WRITE '==== Top of Page ====='
END-TOPPAGE
AT END OF PAGE
  WRITE '==== End of Page ====='
END-ENDPAGE
*
READ (10) EMP-VIEW BY NAME
/*
  DISPLAY NAME FIRST-NAME BIRTH (EM=YYYY-MM-DD)
/*
AT START OF DATA
  WRITE '>>>> Start of Data >>>>'
END-START
AT END OF DATA
  WRITE '<<<<< End of Data <<<<<'
END-ENDDATA
END-READ
END

```

Output of Program OUTPUX01:

```

***** Page Title *****
==== Top of Page =====
      NAME                FIRST-NAME                DATE
                        OF
                        BIRTH
-----
>>>> Start of Data >>>>
ABELLAN                KEPA                1961-04-08
ACHIESON               ROBERT              1963-12-24
ADAM                   SIMONE              1952-01-30
ADKINSON               JEFF                1951-06-15
ADKINSON               PHYLLIS             1956-09-17
ADKINSON               HAZEL               1954-03-19
ADKINSON               DAVID               1946-10-12
ADKINSON               CHARLIE             1950-03-02
ADKINSON               MARTHA              1970-01-01
ADKINSON               TIMMIE              1970-03-03
<<<<< End of Data <<<<<
***** Page Trailer *****
==== End of Page =====

```