

DO/DOEND

`DO statement ... DOEND`

This chapter covers the following topics:

- Function
- Restrictions
- Example

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

Function

The DO and DOEND statements are used in reporting mode to specify a group of statements to be executed based on a logical condition as specified in any of the following statements:

- AT BREAK
- AT END OF DATA
- AT END OF PAGE
- AT START OF DATA
- AT TOP OF PAGE
- BEFORE BREAK PROCESSING
- FIND ... IF NO RECORDS FOUND
- IF
- IF SELECTION
- ON ERROR
- READ WORK FILE ... AT END OF FILE

Restrictions

- The DO and DOEND statements are only valid in reporting mode.
- WRITE TITLE, WRITE TRAILER, and the AT condition statements AT BREAK, AT END OF DATA, AT END OF PAGE, AT START OF DATA, AT TOP OF PAGE are not permitted *within* a DO/DOEND statement group.

- A loop-initiating statement may be used within a DO/DOEND statement group provided that the loop is closed prior to the DOEND statement.

Example

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** Example 'DOEEX1': DO/DOEND
*****
*
EMP. FIND EMPLOYEES WITH CITY = 'MILWAUKEE'
  VEH. FIND VEHICLES WITH PERSONNEL-ID = PERSONNEL-ID
    IF NO RECORDS FOUND DO
      ESCAPE
    DOEND
  DISPLAY PERSONNEL-ID (EMP.) NAME (EMP.)
    SALARY (EMP.,1)
    MAKE (VEH.) MAINT-COST (VEH.,1)
  AT END OF DATA DO
    WRITE NOTITLE
      / 10X 'AVG SALARY:'
        T*SALARY (1) AVER(SALARY (1))
      / 10X 'AVG MAINTENANCE (ZERO VALUES EXCLUDED):'
        T*MAINT-COST (1) NAVER(MAINT-COST (1))
    DOEND
  /*
LOOP
LOOP
END

```

Output of Program DOEEX1:

PERSONNEL ID	NAME	ANNUAL SALARY	MAKE	MAINT-COST
20021100	JONES	31000	GENERAL MOTORS	140
20027800	LAWLER	29000	GENERAL MOTORS	0
20027800	LAWLER	29000	TOYOTA	86
20030600	NORDYKE	47000	FORD	194
	AVG SALARY:	35666		
	AVG MAINTENANCE (ZERO VALUES EXCLUDED):			140