REPORT ZNYN\_OOP\_DEMO\_21.  
  
CLASS LCL\_MAIN DEFINITION.  
  PUBLIC SECTION.  
    DATA V\_NUM TYPE I.  
    METHODS PROCESS IMPORTING IV\_NUM TYPE I.  
    EVENTS CUTOFF\_REACHED.  
ENDCLASS.                    "lcl\_main DEFINITION  
\*  
CLASS LCL\_EVENT\_HANDLER DEFINITION.  
  PUBLIC SECTION.  
    METHODS HANDLE\_CUTOFF\_REACHED  
         FOR EVENT CUTOFF\_REACHED OF LCL\_MAIN.  
ENDCLASS.                    "lcl\_event\_handler DEFINITION  
  
CLASS LCL\_MAIN IMPLEMENTATION.  
  METHOD PROCESS.  
    V\_NUM = IV\_NUM.  
    IF IV\_NUM GE 20.  
      RAISE EVENT CUTOFF\_REACHED.  
    ENDIF.  
  ENDMETHOD.                    "process  
ENDCLASS.                    "lcl\_main IMPLEMENTATION  
\*  
CLASS LCL\_EVENT\_HANDLER IMPLEMENTATION.  
  METHOD HANDLE\_CUTOFF\_REACHED.  
    WRITE 'Event Processed - Cutoff is more than 20'.  
  ENDMETHOD.                    "handle\_cutoff\_reached  
ENDCLASS.  
\*  
START-OF-SELECTION.  
  DATA LO\_MAIN TYPE REF TO LCL\_MAIN. "event is defined  
  DATA LO\_EVENT\_HANDLER TYPE REF TO LCL\_EVENT\_HANDLER. "event handler method  
\*  
  CREATE OBJECT LO\_MAIN.  
  CREATE OBJECT LO\_EVENT\_HANDLER.  
  SET HANDLER LO\_EVENT\_HANDLER->HANDLE\_CUTOFF\_REACHED FOR LO\_MAIN.  
  LO\_MAIN->PROCESS( 50 ).  
  "lcl\_event\_handler IMPLEMENTATION