REPORT ZAT\_OOAP\_EV03.  
  
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 v\_num GE 2.  
      RAISE EVENT cutoff\_reached.  
    ELSEIF v\_num LT 2.  
      WRITE 'Event is not raised'.  
    ENDIF.  
  ENDMETHOD.                    "process  
ENDCLASS.                    "lcl\_main IMPLEMENTATION  
  
CLASS lcl\_event\_handler IMPLEMENTATION.  
  METHOD handle\_cutoff\_reached.  
    WRITE: 'Event Processed'.  
  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  
  PARAMETERS num type i.  
  
  CREATE OBJECT lo\_main.  
  CREATE OBJECT lo\_event\_handler.  
  SET HANDLER lo\_event\_handler->handle\_cutoff\_reached FOR lo\_main.  
  
  lo\_main->process( num ).