REPORT ZNYN\_OOP\_DEMO\_44.  
  
CLASS lcl\_airplane DEFINITION.  
  
  PUBLIC SECTION.  
    CONSTANTS: pos\_1 TYPE i VALUE 30.  
    DATA: pub\_attr  TYPE i.  
    METHODS: set\_attributes IMPORTING  
                              im\_name      TYPE string  
                              im\_planetype TYPE saplane-planetype,  
    display\_attributes.  
    CLASS-METHODS: display\_no\_of\_airplanes.  
  
  PRIVATE SECTION.  
    DATA: name      TYPE string,  
          planetype TYPE saplane-planetype.  
    CLASS-DATA: no\_of\_airplanes TYPE i.  
ENDCLASS.                    "lcl\_airplane DEFINITION  
  
\*------------------------------------------------------------------\*  
\*       CLASS lcl\_airplane IMPLEMENTATION                          \*  
\*------------------------------------------------------------------\*  
CLASS lcl\_airplane IMPLEMENTATION.  
  
  METHOD set\_attributes.  
    name          = im\_name.  
    planetype     = im\_planetype.  
    no\_of\_airplanes = no\_of\_airplanes + 1.  
  ENDMETHOD.                    "set\_attributes  
  
  METHOD display\_attributes.  
    WRITE: / 'Name of airplane:', name,  
           / 'Type of airplane', planetype.  
  ENDMETHOD.                    "display\_attributes  
  
  METHOD display\_no\_of\_airplanes.  
    WRITE: /, / 'Total number of airplanes',  
            no\_of\_airplanes LEFT-JUSTIFIED, /.  
  ENDMETHOD.                    "display\_n\_o\_airplanes  
  
ENDCLASS.                    "lcl\_airplane IMPLEMENTATION  
  
DATA: r\_plane    TYPE REF TO  lcl\_airplane,  
      plane\_list TYPE TABLE OF REF TO lcl\_airplane.  
  
START-OF-SELECTION.  
  
  CREATE OBJECT r\_plane.  
  APPEND r\_plane TO plane\_list.  
  r\_plane->set\_attributes( im\_name = 'LH Berlin'  
                           im\_planetype = 'A321' ).  
  r\_plane->display\_attributes( ).  
  r\_plane->display\_no\_of\_airplanes( ).  
  
  CREATE OBJECT r\_plane.  
  APPEND r\_plane TO plane\_list.  
  CALL METHOD r\_plane->set\_attributes(  
      im\_name      = 'AA New York'  
      im\_planetype = '747-400' ).  
  CALL METHOD r\_plane->display\_attributes( ).  
  lcl\_airplane=>display\_no\_of\_airplanes( ).  
  
  CREATE OBJECT r\_plane.  
  APPEND r\_plane TO plane\_list.  
  CALL METHOD r\_plane->set\_attributes(  
      im\_name      = 'US Herclues'  
      im\_planetype = '747-500' ).  
  
  LOOP AT plane\_list INTO r\_plane.  
    CALL METHOD r\_plane->display\_attributes( ).  
  ENDLOOP. 