REPORT ZNYN\_OOP\_DEMO\_32.  
  
CLASS EMPLOYEE DEFINITION.  
  PUBLIC SECTION.  
    METHODS:  
      SET\_ATTRIBUTES  
        IMPORTING IM\_EMPLOYEE\_NO   TYPE I  
                  IM\_EMPLOYEE\_NAME TYPE STRING,  
      DISPLAY\_ATTRIBUTES.  
  PRIVATE SECTION.  
\*--------------------------------------------------------------------  
    DATA: NO   TYPE I,  
          NAME TYPE STRING.  
ENDCLASS.  
  
\*--- Employee - Implementation  
CLASS EMPLOYEE IMPLEMENTATION.  
  METHOD  SET\_ATTRIBUTES.  
    NO = IM\_EMPLOYEE\_NO.  
    NAME = IM\_EMPLOYEE\_NAME.  
  ENDMETHOD.  
  
  METHOD DISPLAY\_ATTRIBUTES.  
    WRITE:/ 'Employee Number ', NO,  
          / 'Employee Name' , NAME.  
  
  ENDMETHOD.  
ENDCLASS.  
  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
CLASS BLUECOLLAR\_EMPLOYEE DEFINITION  
           INHERITING FROM EMPLOYEE.  
  PUBLIC SECTION.  
    METHODS:  
      SET\_ATTRIBUTES REDEFINITION,  
      DISPLAY\_ATTRIBUTES REDEFINITION.  
  PRIVATE SECTION.  
    DATA HOURS TYPE I.  
ENDCLASS.  
  
\*---- CLASS BlueCollar\_Employee IMPLEMENTATION  
CLASS BLUECOLLAR\_EMPLOYEE IMPLEMENTATION.  
  METHOD  SET\_ATTRIBUTES.  
    SUPER->SET\_ATTRIBUTES( IM\_EMPLOYEE\_NO  = IM\_EMPLOYEE\_NO  
                     IM\_EMPLOYEE\_NAME = IM\_EMPLOYEE\_NAME ).  
  
    HOURS = 5.  
  ENDMETHOD.  
  
  METHOD DISPLAY\_ATTRIBUTES.  
    SUPER->DISPLAY\_ATTRIBUTES( ).  
    WRITE : / 'Hours ', HOURS.  
  ENDMETHOD.  
ENDCLASS.  
  
DATA:  
\* Object references  
  O\_BLUECOLLAR\_EMPLOYEE1  TYPE REF TO BLUECOLLAR\_EMPLOYEE.  
  
START-OF-SELECTION.  
\* Create bluecollar employee obeject  
  CREATE OBJECT O\_BLUECOLLAR\_EMPLOYEE1.  
  CALL METHOD O\_BLUECOLLAR\_EMPLOYEE1->SET\_ATTRIBUTES  
    EXPORTING  
      IM\_EMPLOYEE\_NO   = 1  
      IM\_EMPLOYEE\_NAME = 'Gylle Karen'.  
  CALL METHOD O\_BLUECOLLAR\_EMPLOYEE1->DISPLAY\_ATTRIBUTES. 