REPORT ZNYN\_OOP\_DEMO\_34.  
  
CLASS EMPLOYEE DEFINITION.  
  PUBLIC SECTION.  
    METHODS:  
      CONSTRUCTOR  
        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  CONSTRUCTOR.  
    NO = IM\_EMPLOYEE\_NO.  
    NAME = IM\_EMPLOYEE\_NAME.  
  ENDMETHOD.  
  
  METHOD DISPLAY\_ATTRIBUTES.  
    WRITE:/ 'Employee', NO, NAME.  
  ENDMETHOD.  
ENDCLASS.  
  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
CLASS BLUECOLLAR\_EMPLOYEE DEFINITION  
           INHERITING FROM EMPLOYEE.  
  PUBLIC SECTION.  
    METHODS:  
      CONSTRUCTOR    IMPORTING  
                       IM\_EMPLOYEE\_NO   TYPE I  
                       IM\_EMPLOYEE\_NAME TYPE STRING  
                       IM\_HOURS         TYPE I,  
      DISPLAY\_ATTRIBUTES REDEFINITION.  
  PRIVATE SECTION.  
    DATA HOURS          TYPE I.  
ENDCLASS.  
  
\*---- CLASS BlueCollar\_Employee IMPLEMENTATION  
CLASS BLUECOLLAR\_EMPLOYEE IMPLEMENTATION.  
  METHOD  CONSTRUCTOR.  
    SUPER->CONSTRUCTOR( IM\_EMPLOYEE\_NO = IM\_EMPLOYEE\_NO  
                        IM\_EMPLOYEE\_NAME = IM\_EMPLOYEE\_NAME ).  
    HOURS = IM\_HOURS.  
  ENDMETHOD.  
  
  METHOD DISPLAY\_ATTRIBUTES.  
    SUPER->DISPLAY\_ATTRIBUTES( ).  
    WRITE HOURS.  
  ENDMETHOD.  
ENDCLASS.  
  
DATA:  
\* Object references  
O\_EMPLOYEE              TYPE REF TO EMPLOYEE,  
O\_BLUECOLLAR\_EMPLOYEE TYPE REF TO BLUECOLLAR\_EMPLOYEE.  
  
START-OF-SELECTION.  
  CREATE OBJECT O\_EMPLOYEE  
    EXPORTING  
      IM\_EMPLOYEE\_NO   = 1  
      IM\_EMPLOYEE\_NAME = 'Gylle Karen'.  
  CALL METHOD O\_EMPLOYEE->DISPLAY\_ATTRIBUTES.  
  
\* Create bluecollar employee obeject  
  CREATE OBJECT O\_BLUECOLLAR\_EMPLOYEE  
    EXPORTING  
      IM\_EMPLOYEE\_NO   = 2  
      IM\_EMPLOYEE\_NAME = 'Tom'  
      IM\_HOURS         = 5.  
  CALL METHOD O\_BLUECOLLAR\_EMPLOYEE->DISPLAY\_ATTRIBUTES. 