REPORT ZNYN\_OOP\_DEMO\_14.  
  
INTERFACE LIF\_EMPLOYEE.  
  METHODS:  
    SET\_ATTRIBUTES  
      IMPORTING IM\_EMPLOYEE\_NO   TYPE I  
                IM\_EMPLOYEE\_NAME TYPE STRING  
                IM\_WAGE          TYPE I.  
ENDINTERFACE.  
  
CLASS EMPLOYEE DEFINITION.  
  PUBLIC SECTION.  
    INTERFACES LIF\_EMPLOYEE.  
    METHODS  
      DISPLAY\_ATTRIBUTES.  
  PRIVATE SECTION.  
    DATA:  NO   TYPE I,  
           NAME TYPE STRING,  
           WAGE TYPE I.  
ENDCLASS.  
\*-- CLASS LCL\_CompanyEmployees IMPLEMENTATION  
CLASS EMPLOYEE IMPLEMENTATION.  
  METHOD LIF\_EMPLOYEE~SET\_ATTRIBUTES.  
\*   Adds a new employee to the list of employees  
    NO   = IM\_EMPLOYEE\_NO.  
    NAME = IM\_EMPLOYEE\_NAME.  
    WAGE = IM\_WAGE.  
  ENDMETHOD.  
  METHOD DISPLAY\_ATTRIBUTES.  
\*   Displays all employees and there wage  
    WRITE: / 'List of Employees'.  
    WRITE: / NO, NAME, WAGE.  
  ENDMETHOD.  
ENDCLASS.  
  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
\* Sub class BlueCollar\_Employee  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
CLASS BLUECOLLAR\_EMPLOYEE DEFINITION  
           INHERITING FROM EMPLOYEE.  
  PUBLIC SECTION.  
    METHODS LIF\_EMPLOYEE~SET\_ATTRIBUTES REDEFINITION.  
ENDCLASS.  
  
\*---- CLASS BlueCollar\_Employee IMPLEMENTATION  
CLASS BLUECOLLAR\_EMPLOYEE IMPLEMENTATION.  
  METHOD LIF\_EMPLOYEE~SET\_ATTRIBUTES.  
    CALL METHOD SUPER->LIF\_EMPLOYEE~SET\_ATTRIBUTES  
      EXPORTING  
        IM\_EMPLOYEE\_NO   = IM\_EMPLOYEE\_NO  
        IM\_EMPLOYEE\_NAME = IM\_EMPLOYEE\_NAME  
        IM\_WAGE          = IM\_WAGE.  
  ENDMETHOD.  
ENDCLASS.  
  
DATA O\_BLUECOLLAR\_EMPLOYEE1  TYPE REF TO BLUECOLLAR\_EMPLOYEE.  
  
START-OF-SELECTION.  
\* Create bluecollar employee object  
  CREATE OBJECT O\_BLUECOLLAR\_EMPLOYEE1.  
  CALL METHOD O\_BLUECOLLAR\_EMPLOYEE1->LIF\_EMPLOYEE~SET\_ATTRIBUTES  
    EXPORTING  
      IM\_EMPLOYEE\_NO   = 1  
      IM\_EMPLOYEE\_NAME = 'Karen Johnson'  
      IM\_WAGE          = 1250.  
  CALL METHOD O\_BLUECOLLAR\_EMPLOYEE1->DISPLAY\_ATTRIBUTES. 