REPORT  Z.  
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 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:  
\* Object references  
  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.

