REPORT ZYNY\_CLASS.  
  
CLASS STUDENT DEFINITION.  
  PUBLIC SECTION.  
  DATA : NAME TYPE C LENGTH 40,  
        AGE TYPE I,  
        GENDER TYPE C LENGTH 1 READ-ONLY,  
        STATUS TYPE C LENGTH 1.  
\*        GENDER TYPE C LENGTH 1 READ-ONLY VALUE 'U'.  
  
  CLASS-DATA: COUNT TYPE I.  
  
  METHODS : SETNAME IMPORTING NAMEIN TYPE C,  
            GETNAME EXPORTING NAMEOUT TYPE C,  
            SETSTATUS CHANGING NEWSTATUS TYPE C.  
  
\* Functional Method  
    METHODS GETSTATUSTEXT  
      IMPORTING VALUE(STATCODE) TYPE C  
        RETURNING VALUE(STATTEXT) TYPE STRING.  
  
  PRIVATE SECTION.  
  DATA :  LOGINID TYPE C LENGTH 20,  
        PWD TYPE C LENGTH 15.  
  ENDCLASS.  
  
  
CLASS STUDENT IMPLEMENTATION.  
  
  METHOD SETNAME.  
    NAME = NAMEIN.  
  ENDMETHOD.                    "setname  
  
  METHOD GETNAME.  
    NAMEOUT = NAME.  
  ENDMETHOD.                    "getname  
  
  METHOD SETSTATUS.  
    IF NEWSTATUS CO 'MF'." CONTAINS EITHER M OR F  
      STATUS = NEWSTATUS.  
      NEWSTATUS = '1'.         "Set the returning value to 1 = STATUS was set  
    ELSE.  
      NEWSTATUS = '2'.       "Set the returning value to 2 = STATUS was not set  
    ENDIF.  
  ENDMETHOD.                    "setstatus  
  
\* Funtional Method Example  
  METHOD GETSTATUSTEXT.  
    CASE STATCODE.  
      WHEN '1'.  
        STATTEXT = 'Male'.  
      WHEN '2'.  
        STATTEXT = 'Female'.  
      WHEN OTHERS.  
        STATTEXT = 'Unknown'.  
    ENDCASE.  
  ENDMETHOD.                    "getstatustext  
  
ENDCLASS.                    "student IMPLEMENTATION

We need to define a brand-new method that is going to be our functional method.

I'm going to create an important parameter and then because it's a functional method, we're going to use the returning key word and specify the value for another parameter.

So, importing. Then we'll specify a value, then we need to open brackets.

And I'm going to call this parameter status code and we go now declared it as a type C.

Now, for the returning part, we specify returning a value. Open brackets again, and I'm going to pass back a variable of text. And this one is going to be of timestream.

OK, so there are defining the method, our functional method, so let me tell you what I'll do just so, we can separate it from all the others.